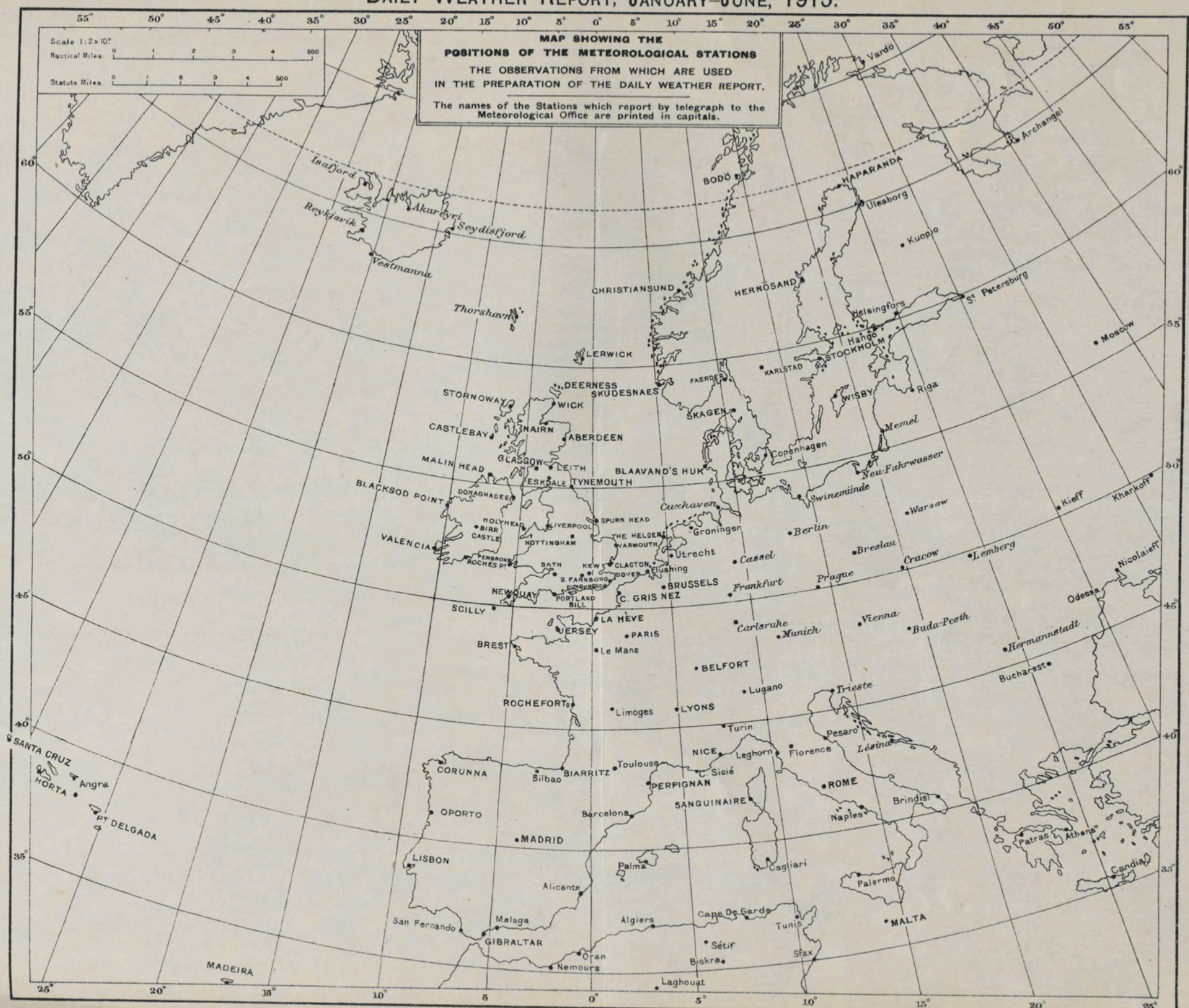
METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE 1915.

DAILY WEATHER REPORT, JANUARY–JUNE, 1915.



Receipt of information from Stations shown in italics is temporarily suspended.

WYMAN & SONS LTD M.O. PRESS, LONDON S.W.

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

FIRST QUARTER, JANUARY TO MARCH.

(Issued as a Supplement to the Daily Weather Report of April 1st.)

	STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE. Means of 1906-1910. Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Means of 1876-1910. Daily Maximum.	Daily Minimum.	Absolute Extremes. 1876-1910. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL. 1876-1910. Days with Rain.	Total Fall.	BRIGHT SUNSHINE. 1881-1910. Average Duration.	Per Centage of Possible Duration.
		In.	°	°	°	°	°		°			In.	Hr.	%
JANUARY.	Sumburgh Head	29·686	39·1	37·6	42·5	35·4	52	1898	16	1910	27	3·94	—	—
	Stornoway	29·771	40·3	39·2	43·5	34·5	55	1890	11	1881	25	5·06	28	13
	Castlebay (Barra Isd.)	[29·812]‡‡	[43·2]‡‡	[41·4]‡‡	[46·0]‡‡	[38·7]‡‡	[52]‡‡	[1908, 09, 10]‡‡	[28]‡‡	[1910]‡‡	[27]‡‡	[3·39]‡‡	[36]‡‡	[16]‡‡
	Malin Head	29·878	41·8	40·9	[44·5]‡	[37·5]‡	[55]‡	[1898]‡	[23]‡	[1894]‡	[22]‡	[2·74]‡	—	—
	Blacksod Point	29·961	44·6	42·7	[46·5]‡	[38·8]‡	[56]‡	[1890]‡	[26]‡	[1891, 94]‡	[26]‡	[5·13]‡	—	—
	Valencia	30·069	44·4	42·4	48·8	40·0	56	1876, 78	20	1894	23	5·52	48	19
	Roche's Point	30·089	43·0	42·1	47·5	39·3	57	1889	20	1894	20	4·39	—	—
	Birr Castle	30·038	39·3	38·4	45·1	34·1	57	1880, 98	6	1881, 94	20	2·74	50	20
	Donaghadee	29·988	40·4	39·7	44·6	36·1	58	1898	14	1881	20	2·59	—	—
	Liverpool (Observatory)	30·042	38·3	36·5	43·1	35·0	58	1898	9	1881	17	2·09	[79]‡‡	[32]‡‡
	Holyhead	30·029	42·4	41·0	45·1	38·2	54	1899	20	1894	19	2·90	—	—
	Pembroke (St. Ann's Hd.)	30·074	42·9	41·2	45·7	39·2	53	1899, 1907	19	1881, 94, 07	19	3·20	55	22
	Scilly (St. Mary's)	30·280	45·7	43·2	49·0	42·5	57	1899	25	1894	20	2·97	60	23
	Jersey (St. Aubin's)	30·170	42·7	40·9	46·3	38·4	57	1877, 99	12	1891	20	2·92	69	26
	Portland Bill	30·076	42·9	41·6	45·2	38·2	[52]‡	[1901, 03, 05]‡	[23]‡	[1907]‡	16	2·20	—	—
	Dungeness	30·081	39·2	37·9	43·5	34·6	55	1878, 98	11	1893	16	[1·82]‡	—	—
	Dover	[30·002]‡‡	[37·2]‡‡	[36·1]‡‡	[43·1]‡‡	[33·1]‡‡	[53]‡‡	[1908]‡‡	[17]‡‡	[1910]‡‡	[14]‡‡	[1·92]‡‡	[84]‡‡	[33]‡‡
	Wick	29·763	37·3	36·1	42·4	33·0	60	1898	− 4	1881	21	2·42	—	—
	Nairn	29·811	37·5	36·1	42·6	31·9	59	1887	4	1910	18	1·98	[47]**	[21]**
	Aberdeen	29·857	36·7	35·2	42·1	33·0	59	1898	4	1881	18	2·09	51	23
	Leith	29·901	39·5	37·6	44·0	33·8	58	1898	9	1881	15	1·73	—	—
	North Shields	29·951	38·2	37·0	43·3	33·5	58	1880, 98	6	1881	14	1·53	—	—
	Spurn Head	29·996	37·7	36·7	41·9	34·6	[55]*	[1898]*	[13]*	[1881]*	15	1·20	—	—
	Yarmouth	30·042	37·3	36·1	41·5	33·4	57	1899	10	1881	17	1·59	[79]‡‡	[32]‡‡
	Clacton-on-Sea	30·084	37·2	36·2	41·5	33·6	[54]§	[1901, 05]§	[21]§	[1907]§	15	1·26	[77]¶	[30]¶
	Nottingham	30·047	36·7	35·6	42·4	32·3	58	1877	2	1881	19	1·77	[43]‖	[17]‖
	Bath	30·113	38·5	37·4	44·2	33·6	[57]†	[1883]†	[11]†	[1881]†	16	2·33	46	18
	Oxford	30·121	37·1	35·7	42·9	33·0	56	1877, 90, 1906	7	1881	15	1·79	51	20
	LONDON { Westminster	30·092	38·5	37·1	[44·6]¶	[34·6]¶	[56]¶	[1910]¶	[20]¶	[1908]¶	[12]¶	[1·50]¶	22	9
	LONDON { Kew	30·110	38·0	36·3	42·8	34·2	56	1877, 1910	9	1881	15	1·70	44	17
FEBRUARY.	Sumburgh Head	29·603	37·9	36·5	41·8	34·2	53	1910	17	1895	22	2·98	—	—
	Stornoway	29·690	38·5	37·5	43·8	34·0	55	1891	12	1892	22	4·28	60	23
	Castlebay (Barra Isd.)	[29·772]‡‡	[42·7]‡‡	[40·9]‡‡	[45·7]‡‡	[39·0]‡‡	[50]‡‡	[1909]‡‡	[29]‡‡	[1908]‡‡	[23]‡‡	[3·33]‡‡	[51]‡‡	[20]‡‡
	Malin Head	29·777	40·8	39·8	[44·4]‡	[37·2]‡	[59]‡	[1891]‡	[20]‡	[1895]‡	[19]‡	[2·31]‡	—	—
	Blacksod Point	29·879	43·0	41·1	[46·6]‡	[38·1]‡	[61]‡	[1891]‡	[24]‡	[1902]‡	[22]‡	[3·80]‡	—	—
	Valencia	29·969	43·4	41·2	49·1	39·9	58	1891	22	1895	22	4·96	71	26
	Roche's Point	29·967	42·1	41·6	48·0	39·3	56	1877, 89, 96	25	1895, 1900, 02	18	3·83	—	—
	Birr Castle	29·927	38·5	37·5	46·8	34·6	59	1891	6	1895	17	2·24	67	25
	Donaghadee	29·858	39·4	38·3	45·5	36·1	57	1897, 1903	16	1895	18	2·31	—	—
	Liverpool (Observatory)	29·895	37·8	36·2	44·2	35·6	62	1878	12	1895	16	1·76	[88]‡‡	[32]‡‡
	Holyhead	29·890	41·3	40·1	45·3	38·1	59	1891	17	1895	17	2·44	—	—
	Pembroke (St. Ann's Hd.)	29·934	42·0	40·4	45·6	39·0	56	1903	23	1895	17	2·57	77	28
	Scilly (St. Mary's)	30·139	44·7	42·1	49·0	42·1	57	1896, 99	27	1895	18	2·57	87	31
	Jersey (St. Aubin's)	30·022	42·0	39·8	47·1	38·8	62	1891	18	1895	18	2·51	92	33
	Portland Bill	29·928	41·5	40·1	45·7	38·4	[54]‡	[1905]‡	[25]‡	[1900]‡	13	1·87	—	—
	Dungeness	29·932	38·0	36·7	44·2	35·2	57	1897	11	1889	15	[1·40]‡	—	—
	Dover	[29·982]‡‡	[38·0]‡‡	[36·8]‡‡	[44·8]‡‡	[34·6]‡‡	[55]‡‡	[1909]‡‡	[26]‡‡	[1909]‡‡	[17]‡‡	[1·42]‡‡	[93]‡‡	[33]‡‡
	Wick	29·662	36·8	35·3	42·8	32·6	59	1878	2	1895	19	2·24	—	—
	Nairn	29·715	36·3	34·8	43·6	31·5	64	1891	0	1895, 97	16	1·73	[85]**	[33]**
	Aberdeen	29·759	37·0	35·4	43·1	33·1	64	1897	6	1895	17	2·11	76	29
	Leith	29·777	38·1	36·1	45·3	33·8	59	1882	12	1895	14	1·45	—	—
	North Shields	29·813	37·1	35·8	44·3	33·8	60	1898, 99	7	1895	14	1·43	—	—
	Spurn Head	29·850	37·5	36·4	42·8	35·4	[61]*	[1899]*	[20]*	[1895]*	13	1·26	—	—
	Yarmouth	29·898	37·1	35·8	42·6	33·9	58	1898	15	1895	16	1·58	[81]‡‡	[30]‡‡
	Clacton-on-Sea	29·933	36·8	35·8	43·1	34·1	[58]§	[1903]§	[20]§	[1901]§	12	1·35	[86]¶	[31]¶
	Nottingham	29·899	36·5	35·2	44·6	33·3	61	1899	2	1895	17	1·61	[62]‖	[23]‖
	Bath	29·965	37·4	36·4	46·2	34·3	[62]†	[1899]†	[16]†	[1902]†	14	2·12	73	26
	Oxford	29·965	36·7	35·3	45·2	34·0	64	1891	7	1895	14	1·69	70	25
	LONDON { Westminster	29·940	38·0	36·5	[46·0]¶	[35·3]¶	[56]¶	[1909, 10]¶	[23]¶	[1909]¶	[15]¶	[1·28]¶	37	13
	LONDON { Kew	29·958	37·4	35·6	44·8	35·1	62	1899	11	1895	14	1·59	60	22
MARCH.	Sumburgh Head	29·773	37·8	36·4	42·6	34·1	57	1893	18	1879	25	2·95	—	—
	Stornoway	29·824	38·4	37·4	45·0	34·1	57	1894, 1907	13	1881	23	3·90	104	29
	Castlebay (Barra Isd.)	[29·796]‡‡	[41·0]‡‡	[39·3]‡‡	[45·0]‡‡	[36·2]‡‡	[50]‡‡	[1908]‡‡	[28]‡‡	[1909]‡‡	[21]‡‡	[2·47]‡‡	[102]‡‡	[28]‡‡
	Malin Head	29·850	40·5	39·5	[45·9]‡	[37·7]‡	[62]‡	[1894]‡	[25]‡	[1906]‡	[20]‡	[2·35]‡	—	—
	Blacksod Point	29·904	43·0	41·3	[47·9]‡	[38·7]‡	[64]‡	[1894, 99]‡	[26]‡	[1891, 00, 09]‡	[24]‡	[4·00]‡	—	—
	Valencia	29·957	43·4	41·4	50·4	39·8	66	1899	26	1899, 01	21	4·23	124	34
	Roche's Point	29·964	42·4	41·4	49·4	39·3	61	1899	27	1890	16	3·02	—	—
	Birr Castle	29·937	39·2	38·3	49·3	34·6	66	1894	18	1891	17	2·41	110	30
	Donaghadee	29·912	39·8	38·7	47·2	36·5	64	1892	25	1892, 06	19	2·16	—	—
	Liverpool (Observatory)	29·932	39·1	37·2	46·8	36·7	65	1884, 94, 07	21	1886	16	1·83	[121]‡‡	[33]‡‡
	Holyhead	29·922	41·5	40·2	46·9	38·4	67	1894	27	1881	17	2·51	—	—
	Pembroke (St. Ann's Hd.)	29·940	41·1	40·1	46·5	38·9	58	1899	26	1888, 09	17	2·36	133	36
	Scilly (St. Mary's)	30·113	44·6	42·1	49·9	42·1	59	1893	30	1883, 90, 91	18	2·28	145	40
	Jersey (St. Aubin's)	29·995	42·3	40·3	49·7	39·8	66	1893, 94, 03	21	1890	17	2·40	152	42
	Portland Bill	29·922	41·4	40·1	47·6	38·6	[59]‡	[1900]‡	[26]‡	[1909]‡	14	1·74	—	—
	Dungeness	29·934	39·1	38·1	46·7	36·3	60	1903	12	1909	15	[1·63]‡	—	—
	Dover	[29·861]‡‡	[38·6]‡‡	[37·5]‡‡	[45·3]‡‡	[34·7]‡‡	[57]‡‡	[1910]‡‡	[17]‡‡	[1909]‡‡	[18]‡‡	[2·23]‡‡	[127]‡‡	[35]‡‡
	Wick	29·805	37·3	35·9	44·8	33·6	62	1894	10	1900	21	2·25	—	—
	Nairn	29·826	36·2	34·8	46·1	32·6	66	1907	6	1892	18	1·93	[122]**	[34]**
	Aberdeen	29·853	37·7	36·2	45·6	34·1	66	1889, 91, 92	10	1889	20	2·42	117	32
	Leith	29·861	38·9	36·9	47·7	34·5	68	1884	19	1879, 81, 89	16	1·68	—	—
	North Shields	29·888	37·8	36·4	46·7	34·3	67	1907	15	1889	15	1·74	—	—
	Spurn Head	29·893	38·5	37·4	45·3	36·2	[62]*	[1890, 93, 03]*	[24]*	[1886]*	15	1·33	—	—
	Yarmouth	29·913	38·0	36·6	45·3	35·2	65	1906	18	1892	16	1·66	[125]‡‡	[34]‡‡
	Clacton-on-Sea	29·945	37·9	37·2	45·9	35·4	[59]§	[1906]§	[19]§	[1909]§	13	1·32	[146]¶	[40]¶
	Nottingham	29·930	37·1	36·1	48·3	34·1	68	1884	14	1909	18	1·59	[116]‖	[32]‖
	Bath	29·968	37·8	36·6	49·5	34·5	[67]†	[1907]†	[13]†	[1909]†	14	2·05	119	33
	Oxford	29·978	38·1	36·5	49·1	34·5	69	1907	15	1891	14	1·52	115	32
	LONDON { Westminster	29·948	38·5	37·2	[49·6]¶	[36·1]¶	[68]¶	[1907]¶	[18]¶	[1909]¶	[18]¶	[1·78]¶	73	20
	LONDON { Kew	29·966	37·9	36·2	48·6	35·7	67	1896	17	1909	13	1·59	109	30

* Results for 30 years, 1881-1910.
† " 26 " 1876-1884 and 1899-1910.
‡ " 25 " 1886-1910.
At Birr Castle and Oxford the averages are for 8 a.m.

‡ Results for 11 years, 1900-1910.
§ " 10 " 1901-1910.
‖ " 7 " 1904-1910.

¶ Results for 6 years, 1905-1910.
** " 4 years, 1907-1910.
‡‡ " 3 " 1908-1910.

METEOROLOGICAL OFFICE,
South Kensington, London, S.W.
MARCH, 1911.

(19358—24.) Wt 10665—7402. 4,000. 3/11. D & S.

SPAIN & PORTUGAL	Azores (Horta, 8 a.m.)	29·97	*	S	2	c	29·94	−·03	53	−2	N	4	r	3	0·51	63	52
	Madeira (Funchal) ...																

* Information for these columns not usually received.

† Received too late for insertion in Charts.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 60 Monday, 1st March 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	989.6	33	–	0	cm	992.5	+2	33	0	N	2	N	bc	2	4	39	31	bc	bcsp	bc	*
	Deerness ...	989.8	33	SW	4	bc	994.2	*	32	-3	N	2	N	bx	2	1	37	32	xbc.c	c.b	bcx.b	3.3
	Stornoway ...	990.5	33	WSW	5	cqsp	996.5	+10	36	+6	N	6	N	bq	5	11	37	29	cps	cps	c.bpsq	1.3
	Castlebay (Barra Isd.)	995.1	37	WNW	5	cshp	999.5	+8	38	+3	NW	5	-	o	5	3	41	31	cshp	cshp	oshp.o	1.1
	Glasgow ...	996.5	31	W	2	osp	994.1	+6	31	+1	W	1	NW	b	*	5	35	27	bcsp.c	c.osp.c	co.p.b	1.4
	Eskdalemuir ...	997.5	31	W	1	os	992.1	+3	29	0	NW	7	N	b	*	8	35	27	c.os.o	osp	os	1.4
	Malin Head ...	998.3	36	WNW	8	cq													cmqps	cmqps		
	Blacksod Point	1005.8	39	WSW	7	cqp	1009.2	+2	35	-4	WNW	7	NW	cps	6	3	43	35	cqp	cqp	cqp.bcp	*
	Valencia ...	1013.5	46	WSW	6	cp	1014.2	+1	42	-1	NW	5	-	c	5	3	47	40	cpq	cpq	cp	2.1
	Roche's Point	1012.8	45	W	3	c	1012.7	*	38	-3	WNW	4	NW	c	4	1	48	37	cp	cp	cpq.c	*
	Birr Castle ...	1007.2	41	W	4	c	1008.8	*	35	-2	W	4	-	b	*	3	45	33	cphrq	cphrq	cp.bx	4.4
	Donaghadee ...	998.4	37	W	5	cmqp	996.8	+1	36	+2	WNW	6	NW	cpql	5	4	39	31	cgmp	cmqp	cpsql	*
	Liverpool (Bidston)	999.8	39	W	6	r	996.3	-4	37	0	W	7	W	oq	6	4	43	34	bcq	ocq	oq	2.3
	Holyhead ...	1003.7	43	WNW	7	ogq	1000.8	-1	40	0	WNW	8	NW	cgq	8	0.1	46	37	bc.c.o	cp.op.c	op.cp.c	2.5
	Pembroke (St. Ann's)	1009.6	45	W	6	c	1007.6	+1	40	-2	NNW	5	NW	cq	5	5	45	39	oq	cq	cq	2.5
	Scilly (St. Mary's)	1015.9	46	NW	7	cqp	1011.8	+2	44	0	NW	7	NW	oq	7	3	49	42	bcqp	bcqp	cq.oqp	5.0
	Falmouth ...	1015.1	43	W	3	o	1011.0	+2	41	0	NW	4	-	o	2	3	48	40	c.o.c.bc	bc.or.o	o.c.or.o	6.3
	Jersey (St. Aubin)	1015.7	46	W	5	b	1009.4	*	44	-1	W	4	-	o	4	2	49	42	bc.cp	op.bc.b	op.o	5.3
	Portland Bill ...	1012.0	45	W	5	bc	1005.6	+3	41	-3	WNW	7	NW	b	5	1	47	40	bcp	bc.cp	cp	*
	Dungeness ...	1009.2	43	W	5	bcq	1000.8	+2	36	-4	WNW	5	W	bq	5	2	48	35	bcp	bcq	bcrhq	*
	Dover ...	1009.0	40	SW	5	b	1001.2	+1	36	-2	W	4	-	b	3	1	47	35	b.bc	bc.op.b	b	6.6
	Wick ...	990.3	31	WSW	4	c	993.9	+6	29	-2	WNW	2	-	c	3	0.2	38	29	c	c	bcpsh	*
	Nairn ...	992.5	31	W	1	c	993.2	*	32	+3	W	1	-	ow	2	0.3	37	28	cw	sr.cs	bcps	4.9
	Aberdeen ...	992.9	34	W	2	b	993.1	+4	29	-4	NW	3	NW	b	2	-	41	27	b	bc.b	bx	7.8
	Leith ...	993.5	34	WSW	3	c	993.3	+7	33	+1	NW	2	-	ops	*	0.1	39	31	b	bc.cps	bc	*
	Tynemouth ...	997.6	33	NW	2	bcp	990.4	-4	35	+3	NW	2	NW	c	2	2	40	31	bc	os	c	*
	Spurn Head ...	1003.1	36	W	6	r	993.3	-1	33	-4	W	5	-	oqs	5	3	41	31	bcq	oqr	bcq	6.6
	Yarmouth ...	1003.5	41	W	3	bcp	995.9	0	34	-2	W	3	W	bc	2	1	45	33	bcqps	bcp	or.bc	7.7
	Clacton-on-Sea	1005.9	40	W	4	b	997.9	0	35	-2	W	3	-	b	2	3	46	34	bc	bc.b	bc.cps	8.4
	Nottingham ...	1003.2	39	WNW	6	r	995.7	*	35	-1	W	5	W	s	*	9	44	34	cps	c.or	rs	2.6
	Bath ...	1010.8	44	W	3	o	1004.7	*	37	-2	W	4	NW	b	*	1	46	36	bc.c.o	cp.o	c.oqr.b	3.2
	London (Kew Obsy.)	1008.1	42	WSW	3	b	1001.5	+1	36	-1	W	4	-	b	*	1	46	36	b.bc.c.orhp	c.bc.b	b.c.orph	6.8
ICELAND, FAERÖE, &c.	Spitsbergen ...												*		*	*						
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*				*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...																*					
	Bodö ...																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (Christiania Fjord)																					
	The Scaw (Skagen)	990.9	36	SE	3	b	988.0	+3	34	-2	SW	3	-	o	3	1	37	30				
	Blaavands Huk	993.7	36	WNW	4	c	988.0	-2	30	-5	-	o	-	b	1	2	36	28				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...						991.7	0	37	-2	W	6	-	c	6	3	41	34				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1009.2	43	WSW	7	c	1001.1	+2	38	-3	WNW	7	*	b	6	1	46	36				
	La Hève ...	1014.6	43	WNW	4	r	1004.8	*	41	0	NW	5	*	o	7	3	46	37				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1020.4	46	WNW	4	o	1014.0	-2	48	+2	WNW	5	*	o	4	-	52	45				
	Rochefort (Ile d'Aix)	1022.0	46	WNW	4	o	1018.3	-1	46	0	W	6	*	o	*	2	50	45				
	Biarritz ...												*									
	Paris ...	1014.9	41	SW	3	o	1005.7	-3	43	+2	W	6	-	r	*	1	50	39				
	Belfort ...	1016.8	34	W	4	r	1009.5	*	36		WSW	7	*	r	*	2	39	33				
	Lyons ...	1021.3	42	WSW	1	r	1017.3	*	39	+4	SSW	1	*	o	*	1	47	35				
	Nice ...	1014.9	39	-	0	b	1009.3	-1	38	+3	-	0	*	b	2	-	50	34				
	Perpignan ..	1020.2	52	NW	5	b	1018.4	0	50	+9	W	2	W	bc	*	-	61	41				
	Sanguinaire ...	1016.9	54	W	3	o	1010.6	*	47		W	6	*	c	4	-	57	41				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1027.8	50	NNE	4	o	1023.5	-1	46	-6	ENE	3	N	o	4	?	52	45				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1016.8	*	S	4	o							*									
	Madeira (Funchal)	1021.0	63	E	2	c	1020.0	-1	57	0	NE	3	N	bc	2	-	64	57				

GALES.

Duration and Extreme Force in British Islands.

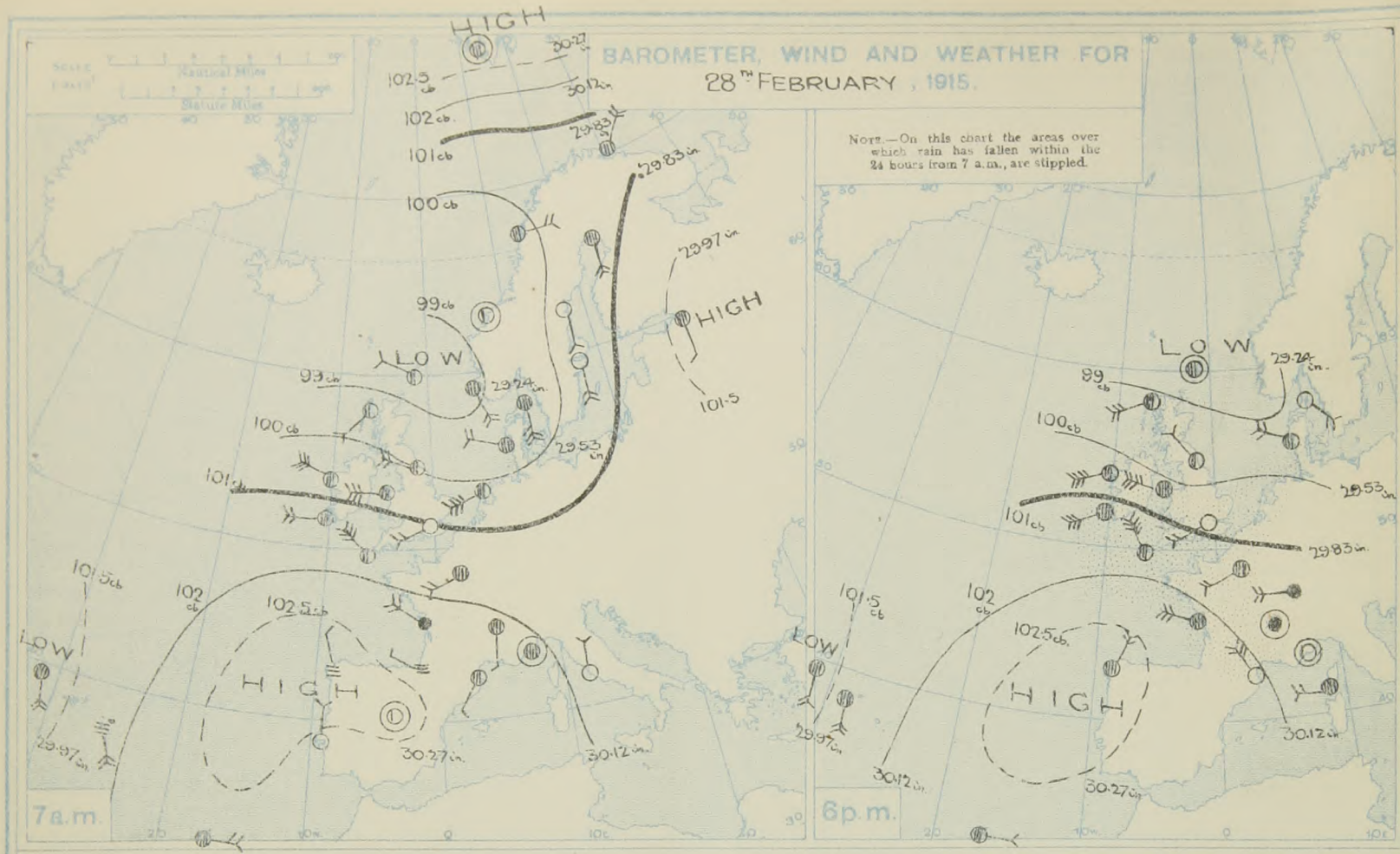
Southport
28th, 7a.m.-9a.m. W. 10
3p-7a. W.8 Gusts 67 m.p.h.

Malin Head
Violent gale in night.
NW. 11 at 3 a.m.

Holyhead
Extreme WNW.9
11p.m. 28th.

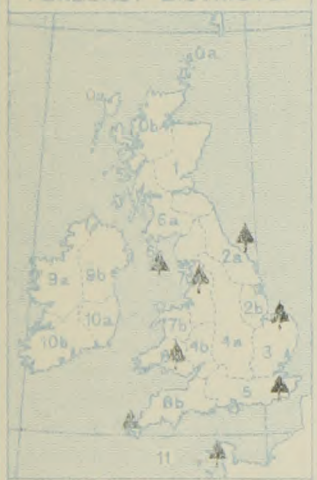
Scilly
28th 10p.m.-1st 6a.m
NW. 8

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones hoisted at 8.30 a.m.

Western Channel and Bay

0 a, 0 b, 1, 2 a, 2 b: Northerly winds, increasing in force; cold, changeable, some snow showers, frost to-night.

3, 4 a, 4 b, 5: Strong Westerly to North-Westerly winds, a gale in places; cold, changeable, some snow showers, fine intervals.

6 a, 6 b, 7 a, 7 b, 8 a, 8 b, 9 a, 9 b, 10 a, 10 b: Strong North-Westerly winds, a gale in places; cold, changeable, some hail or snow showers, fine intervals.

11: Fresh or strong North-Westerly winds, and a rather rough sea; fair generally, but local showers. Colder.

FURTHER OUTLOOK.

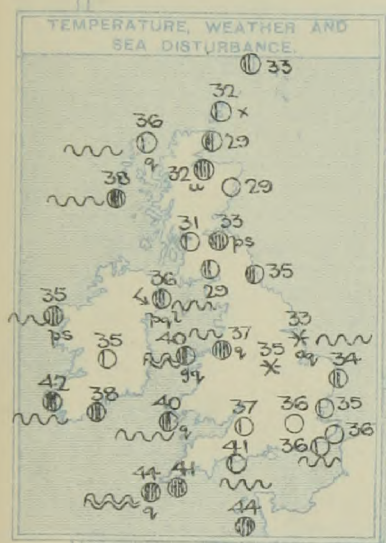
R. G. K. LEMPFERT, Superintendent, Forecast Division.

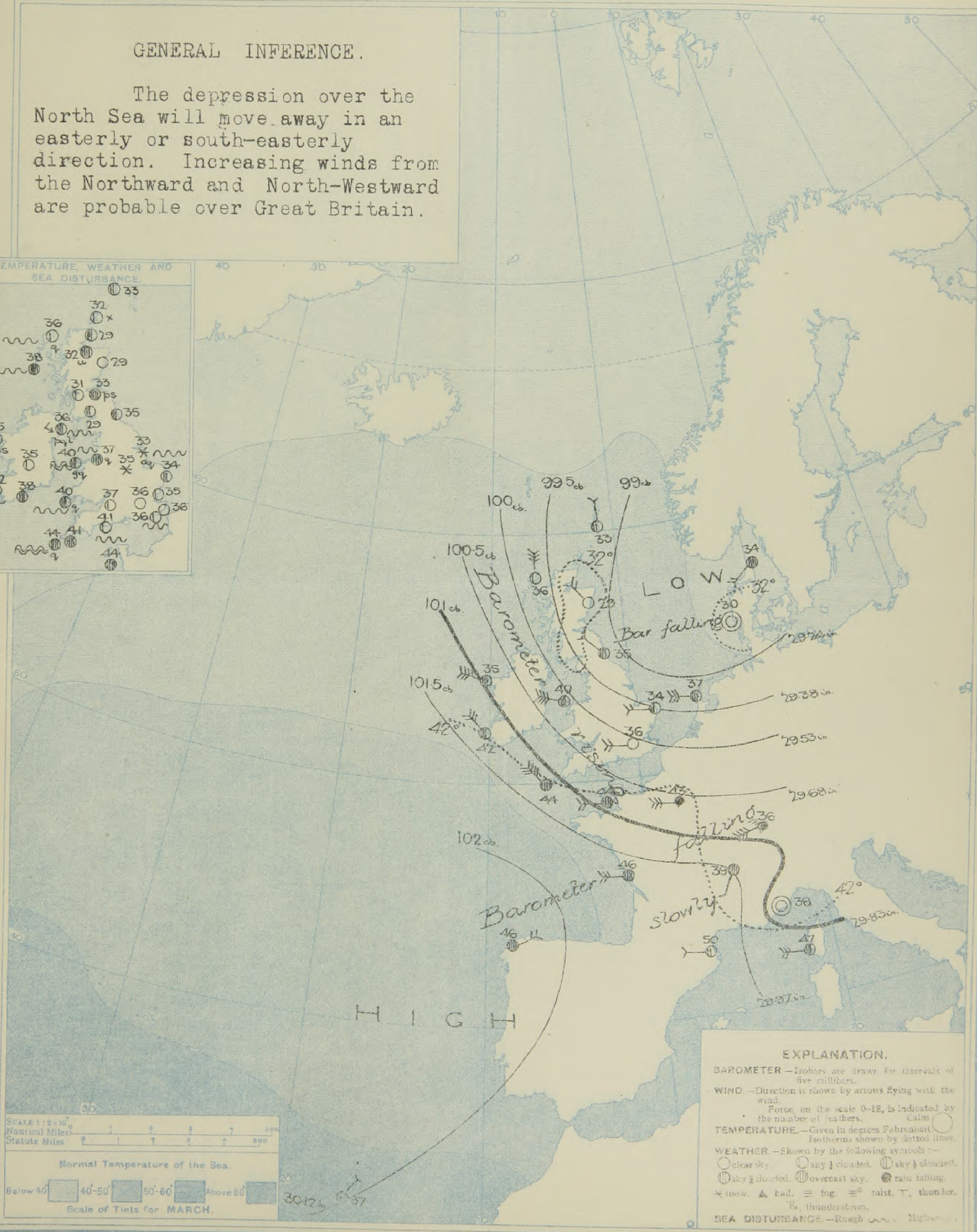
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 1st MARCH, 1915.

GENERAL INFERENCE.

The depression over the North Sea will move away in an easterly or south-easterly direction. Increasing winds from the Northward and North-Westward are probable over Great Britain.





PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

Station Date & Hour.		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		S. Farnborough 23rd. 7h.30m.		Eskdalemuir 24th. 7h.		S. Farnborough 24th. 10h.		Eskdalemuir 24th. 13h.		S. Farnborough 25th. 11h.		S. Farnborough 26th. 11h.									
Heights in Kilometres.	7	+10	-10																		
	6	+8	+3																		
	5	+5	+4																		
	4	+5	+3							+2	-16	+7	0								
	3	+7	0							-1	-13	+4	+3								
	2	+10	-4	-3	-15			+3	-9	+1	-12	+4	+3								
	1	+5	-8	-2	-5	+1	-14	+1	-5	+2	-9	+6	+6								
	0.5	+8	-12	+3	-10	+2	-14	+1	-2	+2	-9	+5	+8								
	0	+4	-2	+3	-3	+2	-5	+5	+2	+2	-2	+1	+4								

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	Banff	–	39	31	b	bc	7.5
	St. Andrews				*	*	
Eng., N.E.	Harrogate	7	38	30	co.bcq	co.cpq	3.3
	Scarborough	*	43	32	o.c	c.b	6.4
	Skegness	1	46	32	bc.c	c.or	7.7
Eng., N.W.	Morecambe						
	Blackpool	3	43	35	cq.bc	or.cq	1.9
	Southport	4	42	36	o.c.o	oqhr.o	1.7
Midlands.	Buxton	8	38	31	bcsq	csq	0.5
	Leamington Spa	1	45	35	bc.c	bc.c	6.8
	Malvern	2	45	35	bc	bc	5.9
	Ross-on-Wye	1	47	37	cq	bcq.c	4.8
Wales.	Rhyl	4	44	38	c	rh.r	1.0
	Colwyn Bay	3	44	?	c	op	0.6
	Llandudno	1	44	39	c.oh	or	?
	Aberystwyth	1	44	39	r.o.c	c.o.	0.5
	Tenby						
	Swansea	5	47	37	bch	cp	3.6
England, E.	Cromer						
	Lowestoft						
	Felixstowe	1	46	36	bc	bc	9.5
	Walton-on-Naze	–	45	34	bc.b	b.bc	8.9
	Southend-on-Sea	–	46	34	b	b.bc	5.7

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	47	35	bc	b	5.7
	Margate	–	46	37	b	b.bcp	5.6
	Ramsgate	–	45	35	bc	c	6.2
	Folkestone	1	48	37	bc.o	o.b	1.9
	Hastings	–	47	36	b.bc	bc.b	5.6
	Bexhill-on-Sea	1	45	37	b	c	6.9
	Eastbourne	0.3	47	39	bc	bc	4.2
	Seaford						
	Brighton	0.3	46	39	c.bc.c.o	cp.c.b	4.0
	Worthing	1	46	39	bch	bc	2.2
	Littlehampton	1	46	33	bc	bc	2.8
	Bognor	1	48	38	c	bc.b	4.0
	Southsea						
	Bournemouth	1	46	37	c	c	3.3
England, S.W.	Weymouth	–	47	41	bc.c	c.bcm	1.9
	Torquay	0.3	49	41	c	p.bc.c	4.8
	Paignton						
	Falmouth	Trace	48	40	c.o.c.bc	bc.or.o	6.3
	Penzance						
	Newquay	1	47	42	mbcp	bcp	5.1
	Ilfracombe	2	45	40	o.c	c.o	1.0
	Weston-super-Mare	–	47	35	bc.b	b	5.2

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day.)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	57	66	6.4	46	35	29	1	c	bcrsp.	cq.
City (Bunhill Row)	*	*		*	*	*	*	*	*	*
Westminster (St. James's Pk.)	70	76	5.3	43	34	30	1	ue.b	c	cshr.bc
Camden Sq. (Brit. Rainfall)	–	69	6.0	?	34	29	1	–	–	*
Hampstead (Reservoir)	*	68	6.3	45	32	22	1	bchs	bchx	bc
Richmond Park	*	*	6.7							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	64	68	5.2							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
608 Joules	15.8 Milliwatts.	42 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	1	44	35	33	bqp	bc	pq	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	3	42	33	31	*	c	c	3.5
Oxford to 9 p.m.	*	47	36	31	o.b	b	b.p.bc	*
Teignmouth to 9pm.	1	49	41	38	bcp.c	bcp	bc	6.0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	47	37	30	c.b	b	c.bc.b	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

1st & 2nd. May. 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.43 / 6.40	12.6 / 12.5	5.29 / 5.30
Greenwich	6.49 / 6.46	12.13 / 12.12	5.37 / 5.38
Wick	7.11 / 7.8	12.25 / 12.24	5.39 / 5.41
Valencia	7.31 / 7.28	12.54 / 12.53	6.17 / 6.18

NOTES ON YESTERDAY'S WEATHER.

In many parts of North Britain the thermometer failed to reach 40°. Showers of hail, sleet or snow were experienced in most districts, and a fresh to strong gale from the North-Westward occurred on many parts of our western coasts.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W.

§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 61

Tuesday 2nd March 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 8 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	997.1	37	NW	1	bc	1001.1	+1	38	+2	N	1	-	om	1	3	40	32	cgp	bc	bc.om	*
	Deerness ...	999.0	35	NW	3	bc	1002.7	*	34	+2	NE	2	NW	b	2	-	40	32	bc.b	b.bc	bcu.b	8.4
	Stornoway ...	1002.0	38	NW	6	cpq	1005.3	+2	36	0	NW	4	NW	bq	4	18	39	33	bc.ocq	cpq	c.bc.bpq	0.4
	Castlebay (Barra Isd.)	1006.6	41	NW	4	c	1008.4	0	39	+1	WNW	5	-	bc	3	2	44	36	o.bcsp	hsp.bc	chp.bc	4.4
	Glasgow ...	1003.4	37	W	4	c	1008.4	+2	34	+3	WSW	2	-	b	*	1	40	30	c.osp.c	c.bc.c	c.bc.bu	4.0
	Eskdalemuir ...	1003.5	34	NW	6	c	1009.6	+2	33	+4	SW	2	W	c	*	-	37	29	bc	bc.c	bq.c.b	7.2
	Malin Head ...	1007.3	40	NW	8	bcq	1009.6	0	40	+1	NW	5	NW	cqp	5	3	43	37	cq	bcqhp	cqp	3.6
	Blacksod Point	1013.7	38	NNW	4	cpq	1012.9	-4	40	+5	SSW	4	SW	om	4	1	45	35	bc.oph	bc.op	cp.bc	*
	Valencia ...	1016.9	43	WNW	2	bc	1014.5	-2	41	-1	SE	1	-	o	3	1	46	35	bc	bc	cp	6.1
	Roche's Point	1016.1	42	NW	4	bc	1017.1	*	37	-1	N	1	-	o	1	0.1	47	36	c	c.bc	b.o	*
	Birr Castle ...	1013.8	40	W	3	bc	1014.6	*	33	-2	SW	1	-	bc	*	-	46	21	bc	bc	bcu	7.2
	Donaghadee ...	1007.2	37	WNW	5	bcpmq	1010.7	+1	36	-1	WSW	4	W	cmp	3	1	43	34	bcmq	bcpqm	bcmpq	*
	Liverpool (Bidston)	1006.3	38	WNW	5	b	1011.3	+1	38	+1	W	4	W	bc	3	0.3	44	37	bcqp	bcp	c.bc	3.5
	Holyhead ...	1009.1	42	WNW	7	bcq	1012.9	+1	40	0	W	4	-	cq	3	Trace	44	39	o.cp.o.c	c.o.bc	bc.c.o.c	5.1
	Pembroke (St. Ann's)	1012.4	44	NNW	5	c	1015.5	0	41	+1	WNW	1	NW	bc	3	0.1	45	38	cq	cq	cq	8.7
	Scilly (St. Mary's)	1015.2	44	NW	6	bcq	1017.4	0	42	-2	NW	1	NW	bc	4	1	47	41	cq	bcq	bc	8.1
	Falmouth ...	1014.7	42	WNW	3	bc	1017.7	+1	36	-5	WNW	1	NW	bc	2	1	45	36	o.c.bc	bc	bc.c.or	8.9
	Jersey (St. Aubin)	1012.5	45	WNW	5	b	1016.8	*	41	-3	W	3	W	bc	3	-	48	38	bc.b	b	b.bc	8.3
	Portland Bill ...	1009.3	44	NW	6	bc	1015.1	+1	41	0	WNW	4	NW	bc	4	-	46	40	bc	bc	bc.b	*
	Dungeness ...	1008.6	35	WNW	3	b	1012.5	+3	35	-1	WNW	4	-	bc	4	1	46	32	bcq	bc.nq	b.bcu	*
	Dover	1005.3	36	NW	5	b	1012.9	+3	37	+1	WNW	4	-	b	2	1	45	33	b.bc.cb	cqps.b	b	6.5
	Wick	999.9	33	WNW	3	c	1003.5	+3	30	+1	W	1	-	bc	3	1	41	28	chp.bc	c.om	bcm	*
	Nairn	1000.9	34	W	1	og	1005.1	*	36	+4	-	0	-	cq	2	2	39	31	bcv.c	cq	op.c	2.4
	Aberdeen ...	1000.5	36	WNW	3	b	1004.1	+2	37	+8	WNW	3	-	b	2	Trace	41	28	b	bc.b	b.bh.op	8.7
	Leith	1002.1	40	W	2	o	1007.1	+3	35	+2	W	3	-	b	*	-	42	32	o.c.bc	bc.c.o	o	*
	Tynemouth ...	1002.2	36	NW	2	b	1007.2	+3	35	0	W	2	-	^	2	1	40	33	c	b	bc	*
	Spurn Head ...	1002.6	38	NW	5	bc	1008.7	+4	34	+1	WNW	6	-	bc	6	1	40	32	cqpf	bc	bc	3.6
	Yarmouth ...	1001.7	37	W	4	bc	1009.8	+5	35	+1	W	2	W	c	1	2	41	32	bc.osq	cq.bc	bc.o.c	2.7
	Clacton-on-Sea	1002.4	37	WNW	2	bc	1010.9	+3	34	-1	WNW	2	-	b	1	-	43	34	b.bc	bc.c.bc	bc.bu	4.4
	Nottingham ...	1004.4	40	WNW	3	bc	1011.2	*	36	+1	W	2	W	bm	*	2	43	33	cop.c	c.bc	bc.b	5.3
	Bath	1009.3	43	W	3	c	1014.9	*	35	-2	W	1	W	b	*	-	46	31	b.bc.c.o	o.c.bc	c.bc.b	3.6
	London (Kew Obsy.)	1006.5	39	WNW	3	or	1013.6	+3	35	-1	WSW	2	NW	bsc	*	2	46	34	b.bcqzq.o	o.ogtlrs.o	or.bc.b bu	5.7
ICELAND, FAEROE, &c.	Spitsbergen ...	1031.3	-4	-	0	?	1029.9	+2	-11	+6	-	0	*	b	*	*	-4	-22				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (Christiania Fjord)	996.6	32	NE	1	0	996.7	+4	32	+2	NNE	6	-	o	2	1	34	30				
	The Scaw (Skagen)																					
	Blaavands Huk	992.4	34	NNE	1	0	1001.1	+4	34	+4	N	3	-	b	3	-	34	27				
	Haparanda † ...	1019.3	19	SE	4	0	1024.2	?	19	-4	E	4	-	o	*	-	23	19				
	Hernösand † ...	1008.4	28	SE	2	S	1014.0	+4	28	-2	NE	4	-	S	*	4	32	27				
	Stockholm † ...	998.7	34	E	2	0	1005.6	+3	30	-2	E	2	-	o	*	5	34	30				
	Wisby †	997.9	32	SE	2	0	1001.7	+5	32	0	E	4	NE	c	*	6	36	30				
	Karlstad †	997.9	32	E	4	0	1004.4	+4	30	0	ENE	2	-	S	*	1	36	27				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	996.8	34	N	5	c	1006.3	+4	37	0	NW	5	-	c	6	5	29	34				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1004.0	39	NW	6	c	1012.8	+4	39	+1	W	5	*	bc	4	2	46	37				
	La Hève	1010.4	39	NW	5	0	1016.7	*	40	-1	NW	4	*	bc	5	-	45	37				
	Ushant	1016.2	46	NW	5	bc	1019.9	*	45	-3	W	3	*	c	4	-	50	41				
	Brest (St. Mathieu)	1017.9	46	NW	5	bc	1019.5	0	45	-3	NW	2	*	bc	3	-	52	41				
	Rochefort (Ile d'Aix)	1017.6	46	WNW	5	0	1020.4	+1	37	-9	N	2	*	c	*	-	50	37				
	Biarritz	1020.0	50	WNW	3	0	1019.8	0	47		ESE	1	*	o	3	2	50	46				
	Paris	1008.6	43	W	5	bc	1016.4	+4	32	-11	SW	1	N	b	*	3	48	30				
	Belfort							*					*		*							
	Lyons	1013.5	38	NNW	4	T	1020.3	*	36	-3	NW	3	*	b	*	3	49	33				
	Nice	1004.0	50	W	5	b	1010.1	+8	42	+4	-	0	*	bc	3	-	61	38				
	Perpignan ..	1015.7	52	WNW	3	bc	1018.4	+4	46	-4	WNW	3	W	o	*	-	61	45				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1021.7	52	NNE	4	bc	1019.7	0	41	-5	SE	1	-	m	4	-	52	41				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1015.9	*	SSW	4	f							*									
	Madeira (Funchal)	1018.1	63	N	2	0	1018.6	0	57	0	N	2	N	o	2	-	63	57				

GALES.

Duration and Extreme Force in British Islands.

Malin Head

1st, 7a.m - late evening

WNW 9 - NNW 8 - NW 8

Spurn Head

1st, 1p.m NW 9

Kew Obsy.

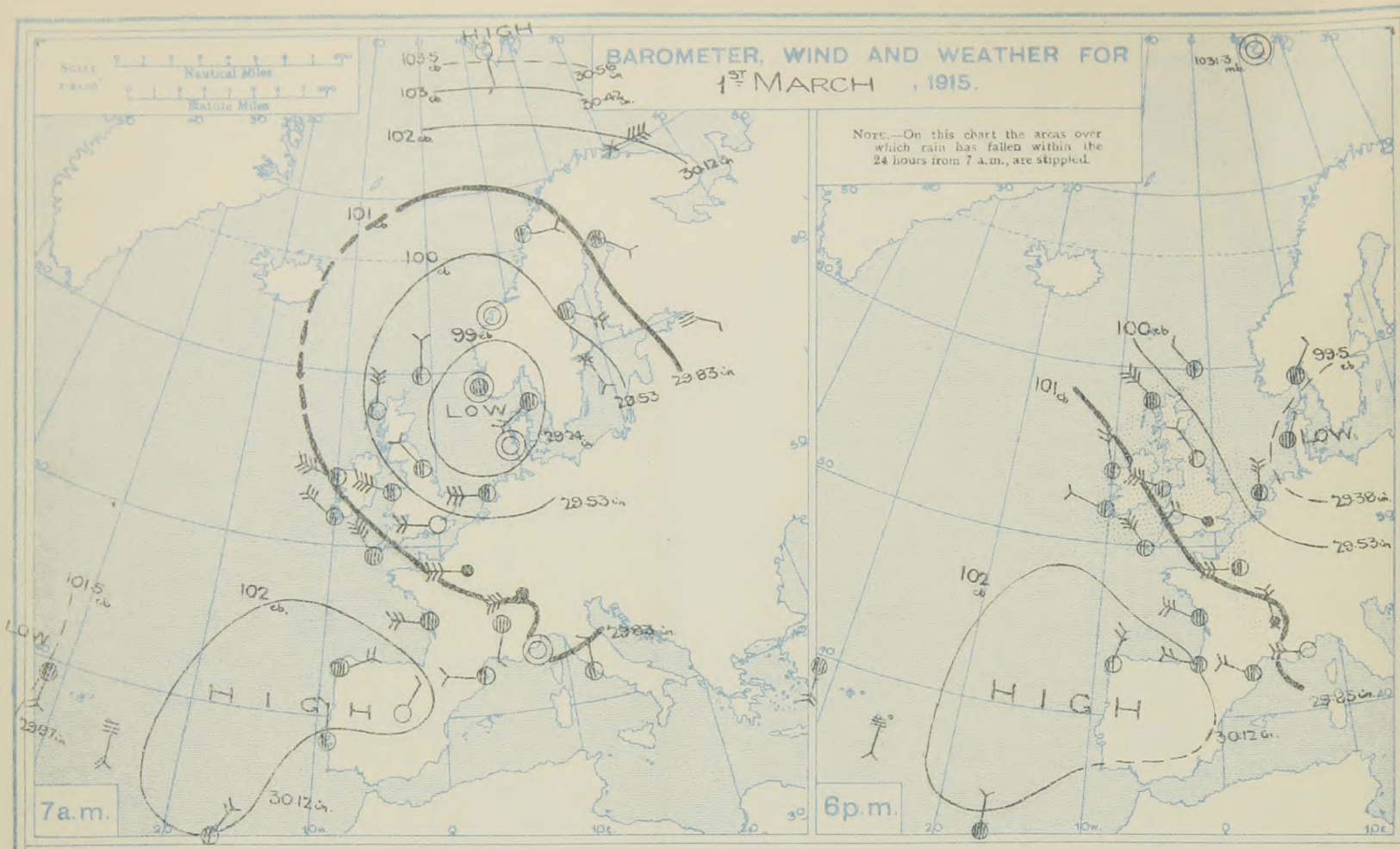
1st 9.45a.m - 11.45a.m WNW 8 gusts force 8 during a.m. Ext. NW 9 at 3.52 p.m.

London (S. Kensington)

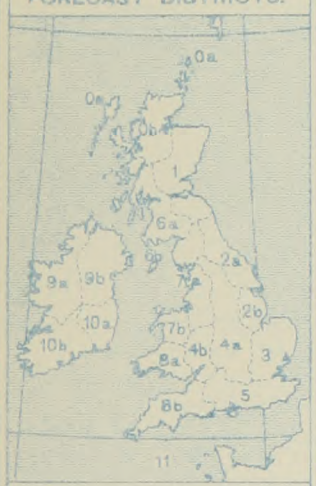
gust W 8 9.30 a.m. 1st.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars

BAROMETER, WIND AND WEATHER FOR 1ST MARCH, 1915.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued

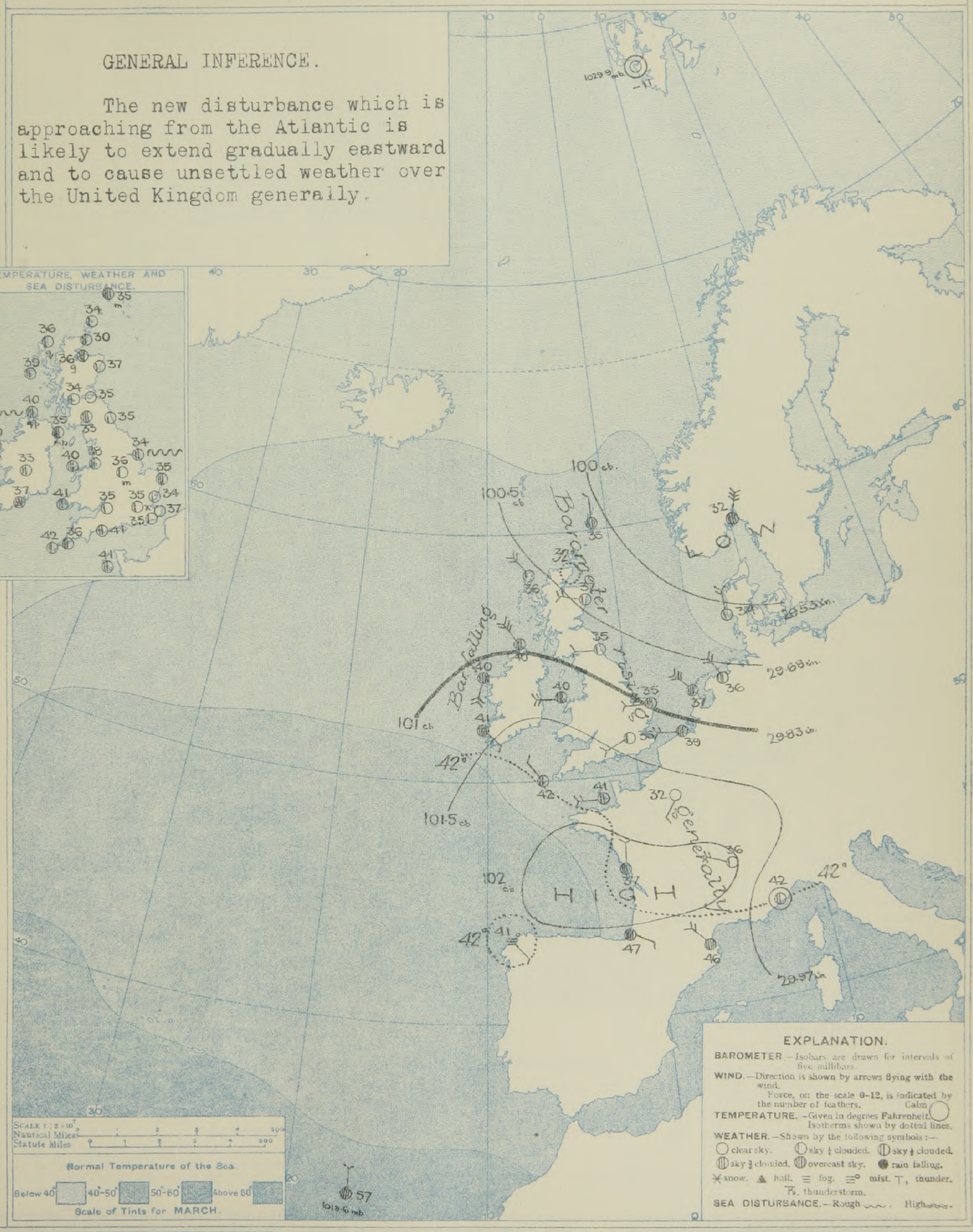
0 a, b; 1; 2 a, b	Light Westerly to South-Westerly or Southerly winds; fine to-day, frost to-night, becoming unsettled to-morrow, some snow or sleet.
3; 4 a, b; 5	Light Westerly to South-Westerly winds; fine to-day, mist or fog locally to-night, becoming unsettled to-morrow, with some rain or sleet; temperature remaining below the normal.
6 a, b; 7 a, b; 8 a, b	Wind backing to the Southward and freshening; fair at first, some rain or sleet later; becoming rather milder.
9 a, b; 10 a, b	Freshening Southerly and South-Easterly winds; cloudy, unsettled, some rain or sleet; becoming rather milder.
Western Channel and Bay 11	Freshening South-Westerly winds, and a rather rough sea; fair at first, some rain later; normal temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendant, Forecast Division.

W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 2ND MARCH, 1915.



DAILY WEATHER REPORT. Tuesday, 2nd March, 1915.

REPORTS FOR YESTERDAY.

1st March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitzbergen	1035·8	-2·0	S	1	b	1035·1	-1	-17	-18	S	1	*	m	*	*	1	-27
Vardö	1006·7	28	-	0	c	1018·9	+6	23	-7	E	1	-	S	4	*	30	19
Bodo	998·1	28	E	1	b	1001·6	+3	32	0	E	2	-	bc	2	-	32	27
Christiansund	991·8	39	-	0	b	993·5	0	32	-2	-	0	-	b	2	-	39	20
Skudesnaes	989·1	34	N	2	0	1000·2	0	28	-8	-	0	-	c	2	*	34	28
Faerder	991·8	32	E	6	S	987·8	-3	30	-4	NE	3	-	0	3	*	34	28
Haparanda	1007·9	27	SE	2	0	1012·7	+4	23	+5	SE	2	-	0	*	Trace	27	18
Hernosand	1003·0	32	S	2	0	1004·3	0	30	+2	SE	4	-	c	*	1	32	27
Stockholm	1001·9	34	S	2	0	999·3	0	32	-2	SSE	2	-	c	*	1	36	32
Wisby	1002·9	32	S	6	c	998·4	-1	32	-2	S	2	-	bc	*	1	37	32
Karlstad	996·3	32	SE	2	s	992·7	-1	30	0	E	6	-	3	*	6	34	27
Petrograd	1017·3	25	SE	1	b	1017·7	0	21	+5	SE	1	-	f	*	-	27	16
Ushant	1021·5	48	NW	5	c	1016·8	*	48	+7	NW	5	*	0	6	1	50	41
Madrid	1021·9	61	W	1	b	1022·7	0	43	0	W	1	-	b	*	-	61	39
Lisbon	1022·0	63	NNE	2	bc	1019·7	-1	48	-3	N	1	-	bc	5	-	63	48
Rome	1016·7	43	W	1	b	1012·6	+2	36	+2	N	1	-	bc	*	-	50	34
Horta						1016·4	-1	61	0	S	4	*	r	4	48	63	59

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	3	43	31	bc	bc	1·7
	Banff	-	41	26	bc	bc	8·0
	St. Andrews	4	39	27	*	*	4·5
Eng., N.E.	Harrogate	4	39	29	c.bc.b	b.bc.c	9·2
	Scarborough	*	43	31	o.c	oo	4·3
	Skegness	1	41	32	o.co.c	c.bc	4·8
Eng., N.W.	Morecambe	2	42	33	bc.c	bc	4·1
	Blackpool	2	44	33	cq.bc	bc.b	7·2
	Southport	18	42	32	cpb.o.c	c.bc.b	7·0
Midlands	Buxton	17	36	31	c.b.s	bc.s	0·8
	Leamington Spa	9	43	34	bc.ors	bc.ors	4·2
	Malvern	9	44	34	bc	bc	4·9
	Ross-on-Wye	1	46	35	opoc	bcq	6·1
Wales	Rhyl	6	43	33			3·2
	Colwyn Bay	1	43	42	ou.c.bc	c.bqp	3·0
	Llandudno	1	47	40	bc	bc	4·3
	Aberystwyth	1	44	38	or.c	c.o.c	1·7
	Tenby	2	46	37	bc	bc	8·4
	Swansea	3	46	32	bc.u	bc	5·2
England, E.	Cromer	4	43	32	cqs	c.bc.b	1·8
	Lowestoft	2	42	33	c.ops	cps	4·6
	Felixstowe	1	43	35	bc	bc	4·8
	Walton-on-Naze	4	44	32	bc.c	ch.bc	5·2
	Southend-on-Sea	5	46	33	bc.bbc	osq.bc	3·1
England, S.E.	Tunbridge Wells	3	46	34	b	b.bc	6·1
	Margate	3	44	36	b.c.bc	c	3·7
	Ramsgate	3	43	34	bc	oo.cq	4·0
	Folkestone	3	46	35	bc.b	o.b	5·6
	Hastings	3	46	35	b.or.b	b.op.b	7·1
	Bexhill-on-Sea	1	46	35	b	bc.r	8·5
	Eastbourne	2	46	36	b.bc	b.bcpq	8·1
	Seaford	3	46	35	bc	bc	8·2
	Brighton	2	46	38	b.bc	bc.c.bc	8·9
	Worthing	1	47	35	b	b	9·2
	Littlehampton	1	45	31	b	b	9·6
	Bognor	4	46	36	b	b	9·4
	Southsea						
	Bournemouth	1	47	36	b	b	9·0
England, S.W.	Weymouth	-	47	38	b	b.bc	9·2
	Torquay	1	52	39	b	b.bc.c	7·3
	Paignton	1	48	38	b	b.bc	7·8
	Falmouth	3	46	40	o.c.bc	bc	8·9
	Penzance	1	48	42	b	b	9·5
	Newquay	2	45	41	bc.bo	bo.bc	3·5
	Ilfracombe	-	46	40	b	b.bc	6·0
	Weston-super-Mare	-	46	37	b	b	8·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 A.M. To-Day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	74	80	4·7	44	34	28	2	c.bc	cpbro	cq.bbc
City (Bunhill Row)	*	*	4·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	65	79	4·8	45	33	28	-	b.ub	uc	u.bc.b
Camden Sq. (Brit. Rainfall)	71	81	5·3	45	32	28	1	b.bc	bc.sh.c	*
Hampstead (Reservoir)	*	83	5·6	43	30	19	0·3	bc.osh	bcsc	bc
Richmond Park	*	*	5·4							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

	Vertical Component of Solar Radiation per square centimetre during Yesterday. Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	595 Joules	16·3 Milliwatts.	45 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	2	45	34	33	c.b	cqsp	pqsh	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,								
Oxford to 9 p.m.	*	46	35	30	cqp.bc	bc.cq	cp	*
Teignmouth to 9pm.	1	48	39	36	bcp.bc	bc.bbc	bc	8·0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	46	36	29	bcp.o	bc.bc	oshpocp	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

2nd & 3rd March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·40	12·5	5·30
	6·38	12·5	5·32
Greenwich	6·46	12·12	5·28
	6·44	12·12	5·40
Wick	7·8	12·24	5·41
	7·6	12·24	5·43
Valencia	7·28	12·53	6·18
	7·26	12·53	6·20

NOTES ON YESTERDAY'S WEATHER.

At several stations in north Britain the thermometer failed to reach 40°. Showers of hail or sleet were experienced in many districts, a thunderstorm occurred at Kew, and thunder was heard at Liverpool and Walton-on-the-Naze.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 62 (Wednesday, 3rd March, 1915.)

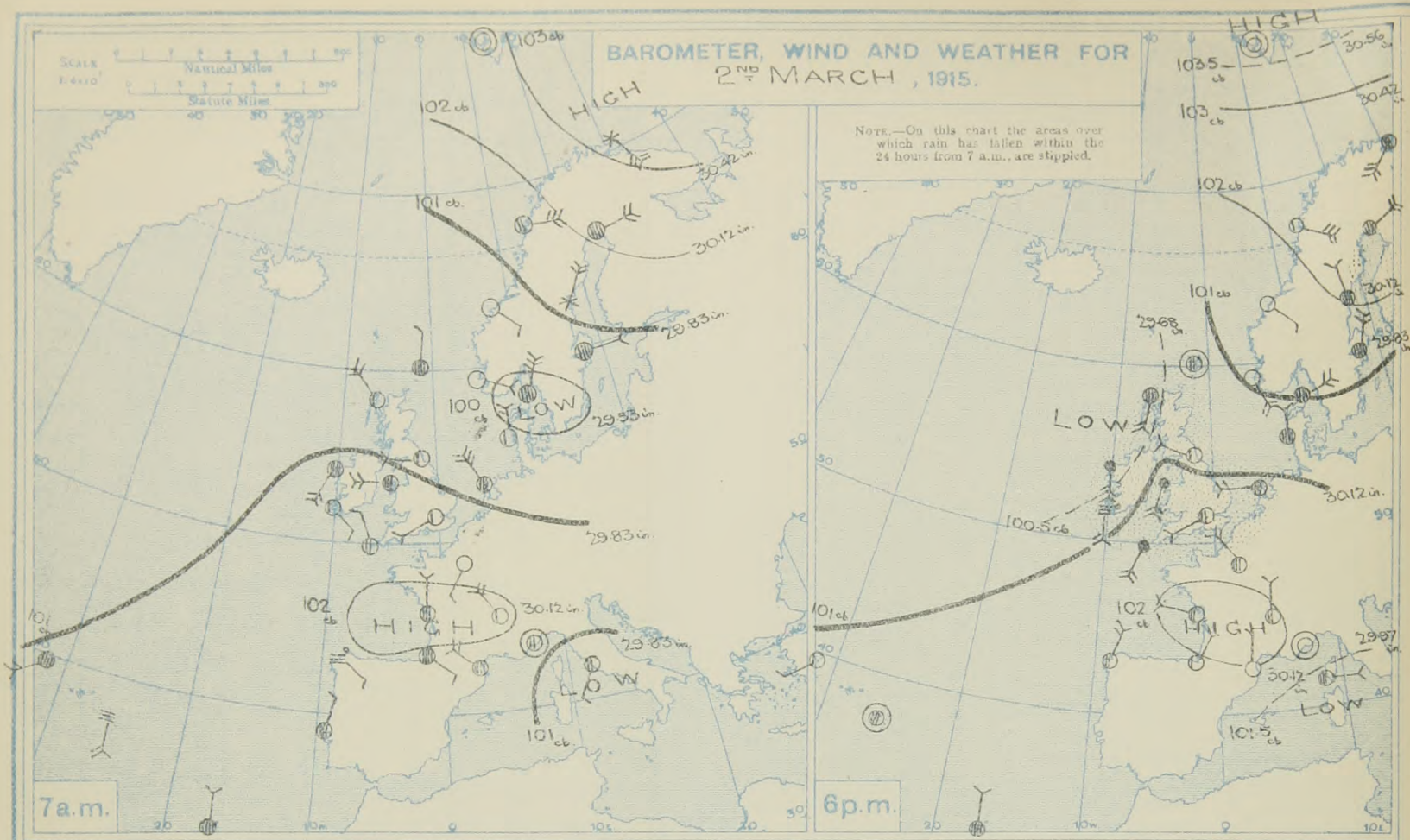
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1007.2	38	–	0	bc	1006.6	-1	39	+4	S	5	–	omq	5	1	44	33	bc	bc	bc.dpq	*
	Deerness ...	1006.3	36	SSW	3	c	1001.7	*	38	+4	SE	7	–	r	6	–	42	33	bc.b	b.bc.c	c.or	8.1
	Stornoway ...	1004.9	40	SSW	3	o	995.7	-3	42	+6	SSW	5	–	orq	4	7	42	38	bcph.b	b.bc.o	orq	5.0
	Castlebay (Barra Isd.)	10037	40	SE	5	r	996.2	-1	46	+7	S	4	–	r	4	13	46	37	bc.b.o	or	r	2.4
	Glasgow ...	1009.6	38	S	1	od	1003.2	-2	34	0	ENE	2	–	o	*	6	41	32	b.bc.c	o	orsp	3.8
	Eskdalemuir ...	1011.0	35	S	2	or	1005.2	-1	34	+1	SW	2	–	o	*	9	37	?	c.bc.c	c.o	or.os.o	4.9
	Malin Head ...	1003.2	36	S	4	omr	998.3	-2	46	+5	SSW	5	–	or	3	9	45	34	cg	om	or	0.0
	Blacksod Point	?1001.1	42	S	5	omr	997.7	-4	48	+8	SSW	6	–	omr	5	3	50	40	omr	amr	fe.omp	*
	Valencia ...	1006.4	49	S	3	m	1002.7	-2	50	+9	S	4	–	om	4	6	50	40	omr	omr	omd	0.0
	Roche's Point	1009.8	48	SW	4	r	1007.1	*	48	+11	S	4	–	r	4	3	48	37	op	md	md	*
	Birr Castle ...	1005.6	42	SSE	2	r	1003.4	*	49	+16	S	2	–	o	*	7	49	33	o	or	or.o	0.0
	Donaghadee ...	1007.9	38	S	3	omr	1002.1	0	47	+12	SW	2	–	ogm	2	7	47	33	cgm	cg.omr	mr.ogm	*
	Liverpool (Bidston)	1012.9	40	WSW	3	o	1006.1	0	45	+7	SSW	2	–	oe	2	4	46	36	bc	op	or	2.2
	Holyhead ...	1011.0	41	SSW	4	omr	1004.8	-1	46	+6	SW	5	–	orm	4	8	46	39	bc.em	c.o.otm	or.fer	1.5
	Pembroke (St. Ann's)	1012.3	43	SW	4	o	1009.1	0	45	+4	SW	5	–	fpd	5	6	46	40	bc	cq	oq.p	2.6
	Scilly (St. Mary's)	1013.3	47	SSW	4	odm	1011.3	-1	48	+6	WSW	4	–	fe	5	1	49	41	bc	c.om	omd.fd	2.6
	Falmouth ...	1015.1	45	SW	2	r	1011.0	0	48	+12	SW	4	–	o	3	5	49	35	b.bc.c	c.o	or.o	3.4
	Jersey (St. Aubin)	1018.1	45	WSW	3	c	1016.1	*	45	+4	SW	3	–	o	3	Trace	48	40	bc.c.o	o.b.o.c	cm.dp.o	5.6
	Portland Bill ...	1016.4	45	WSW	4	o	1012.9	-1	47	+6	SW	5	–	odm	5	2	47	40	bc	c	ordm	*
	Dungeness ...	1015.6	40	NW	2	bc	1013.5	-2	43	+8	SW	5	–	r	5	4	48	34	bc	bc	bc.or	*
	Dover	1016.8	38	W	3	cg	1012.9	-2	42	+5	SW	4	–	orm	6	7	45	37	b	bc.b.bc	c.ogr	6.7
	Wick	1007.2	34	W	2	bc	1000.6	-3	39	+9	SSE	5	S	r	5	3	41	30	bcm	om.b	bc.omp	*
	Nairn	1007.4	35	–	0	cg	999.9	*	37	+1	–	0	–	cg	1	2	42	34	v.bc	bc	cp.o	6.5
	Aberdeen ...	1008.8	38	W	1	og	1004.5	-3	39	+2	SSE	5	–	r	4	2	43	36	b.bc	b.bc.cg	c.or	5.9
	Leith	1006.6	40	SW	1	o	1003.4	-1	38	+3	SE	2	–	o	*	2	44	34	c.bc	bc.o	o	*
	Tynemouth ...	1009.4	40	WNW	2	b	1006.0	-1	36	+1	S	2	–	om	2	3	43	34	c	c	omp	*
	Spurn Head ...	1013.6	39	NW	4	o	1009.2	-5	38	+4	SSE	6	–	or	5	3	42	34	bcq	om	om	6.6
	Yarmouth ...	1013.6	40	W	2	bf	1012.1	-5	39	+4	S	4	S	omr	2	3	45	35	c.bc	bc	omr	7.2
	Clacton-on-Sea	1014.1	42	W	1	c	1011.4	-4	41	+7	SSW	3	SW	og	2	3	44	34	b.bc	bcx	c.ogr	6.1
	Nottingham ...	1013.8	42	W	2	o	1008.1	*	43	+7	SW	2	SW	r	*	3	44	35	bcm	c.o	or	2.5
	Bath	1015.7	44	W	1	o	1011.5	*	48	+13	WSW	3	SW	o	*	4	49	34	b.bc.c.o	c.og	or	8.0
	London (Kew Obsy.)	1016.0	42	WSW	2	bcm	1011.7	-2	44	+9	SW	4	–	om	*	6	46	35	bcc.b.bcc	c.bc.bcm	bcm.omr	6.9
ICELAND, FAEROE, &c.	Spitsbergen ...	10366	-22	–	0	b	1036.8	-1	-29	-18	–	0	*	b	*	*	-8	-33				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1028.7	12	SW	5	c	1027.1	0	14	0	SW	4	–	bc	4	*	18	10				
	Bodö	1020.6	27	ESE	5	b	1022.6	0	21	-7	E	4	–	b	2	–	30	19				
	Christiansund	1011.3	34	SE	1	b	1016.6	+1	34	0	–	0	–	c	3	–	39	32				
	Skudesnaes ..	1012.6	36	SSE	4	b	1016.7	0	34	+2	SE	5	–	b	2	–	37	32				
	Færder (X'iania Fjord)	1012.0	34	ENE	3	o	1020.2	+2	27	-5	NE	4	–	o	2	–	34	25				
	The Scaw (Skagen)	1010.0	34	ENE	4	o	1018.3	+3	28	-6	NE	3	–	o	3	Trace	36	27				
	Blaavands Huk	1009.2	36	N	2	o	1017.3	+4	30	-4	ENE	1	–	o	1	–	36	28				
	Haparanda ...	1027.1	14	ENE	4	o	1029.7	+1	-2	-21	NE	2	–	c	*	Trace	23	-2				
	Hernösand ...	1020.3	25	N	2	o	1024.0	+1	21	-7	N	2	–	s	*	1	30	19				
	Stockholm ...	1011.4	21	NNE	4	o	1015.0	+3	23	-7	NNE	4	–	s	*	1	30	21				
	Wisby	1007.0	27	ENE	4	o	1011.8	+4	26	-7	NE	2	–	s	*	1	32	23				
	Karlstad	10131	30	NE	2	o	1020.2	+5	23	-7	NNE	2	–	c	*	–	30	21				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1012.7	39	W	3	c	1015.8	0	39	+2	SSW	2	–	r	2	1	43	34				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1016.4	43	W	5	c	1014.7	0	39	0	SSW	5	*	r	4	3	45	39				
	La Hève	1017.5	39	S	3	o	1016.6	*	39	-1	SSW	4	*	o	5	–	46	36				
	Ushant	1017.5	48	SW	5	c	1016.2	*	50	+5	SW	5	*	o	4	–	52	45				
	Brest (St. Mathieu)												*									
	Rochefort (Ile d'Aix)												*		*							
	Biarritz	1019.3	48	NE	2	b	1016.6	0	41	-6	ESE	3	*	b	2	–	54	41				
	Paris	1018.9	41	W	2	bc	1019.4	0	36	+4	S	1	–	o	*	–	48	32				
	Belfort							*					*		*							
	Lyons	1022.1	40	N	1	bc	1023.3	*	32	-4	ESE	1	*	b	*	–	46	28				
	Nice	10166	43	–	0	b	1017.9	+1	41	-1	–	0	*	c	3	–	55	37				
	Perpignan ..	1020.0	48	N	1	b	1020.7	0	39	-7	N	1	–	o	*	–	57	39				
	Sanguinaire ...	1013.2	55	E	2	c	10146	*	49	+1	E	2	*	b	3	–	57	41				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1016.3	57	NNE	3	bc	1015.1	+2	50	+9	SE	2	N	b	1	–	57	41				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1012.4	*	SSW	4	o	†1012.8	-2	59	0	S	3	*	c	2	4	64	54				
	Madeira (Funchal)	1019.4	61	N	2	o	1020.0	0	59	+2	N	2	N	o	2	–	64	57				

RAINFALL.

Equivalents of Millimetres in Inches.

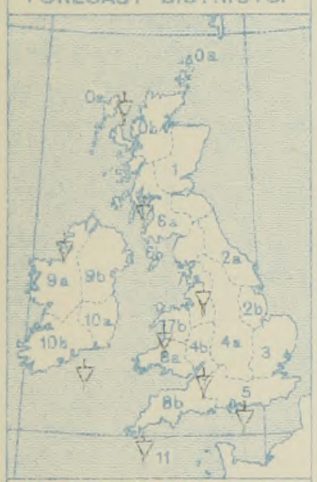
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones Hoisted at 2.25 p.m.

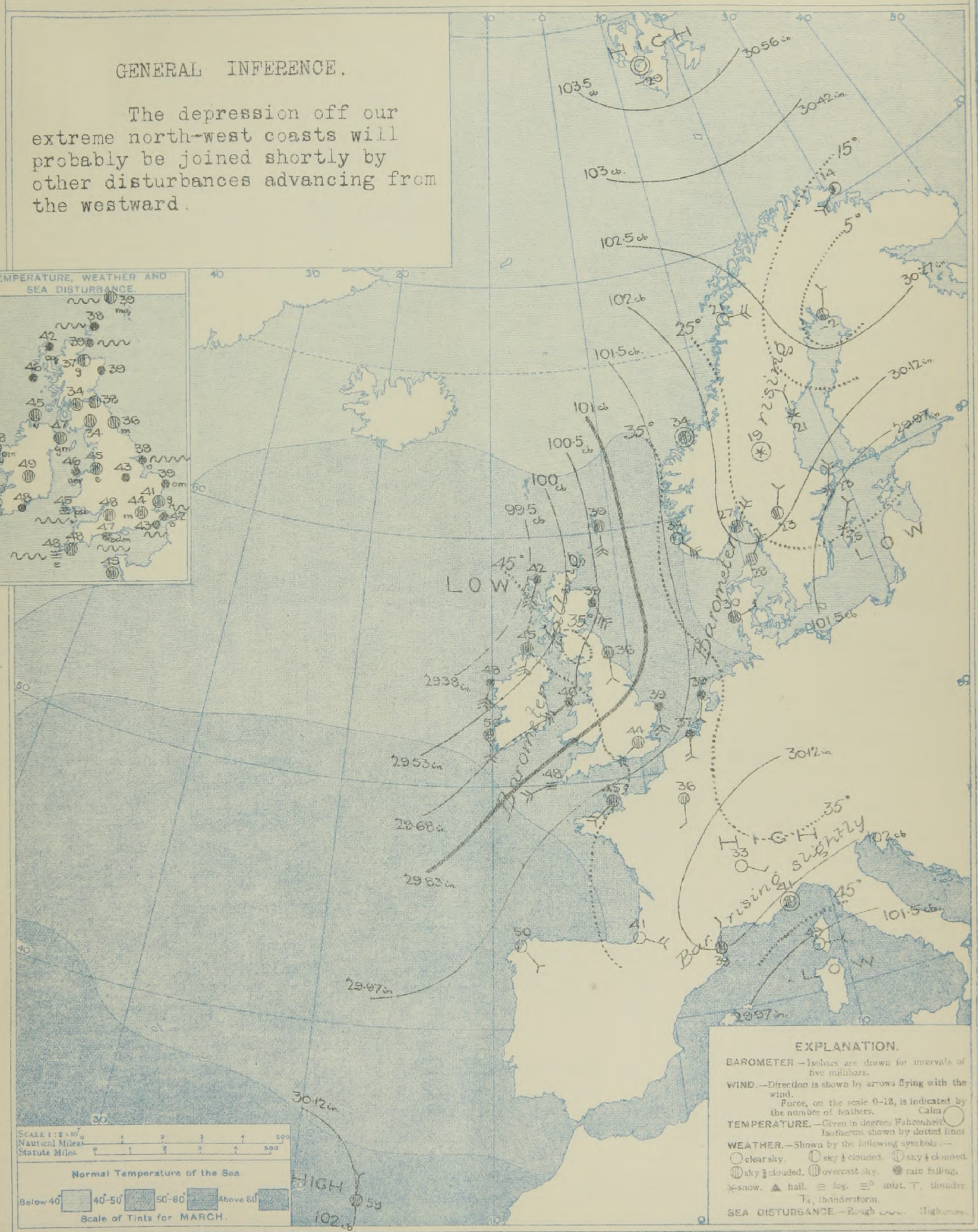
0 a, b, 1, 2 a, b, 3	Southerly and South-Easterly winds, fresh or strong in places; unsettled, occasional rain, some fine intervals; becoming milder.
4 a, b	Moderate or fresh South-Westerly winds; mild; unsettled, occasional rain, some fine intervals.
5, 6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b	Southerly and South-Westerly winds, fresh or strong in places; mild; unsettled, occasional rain, some fine intervals; fog or mist locally on coast.
Western Channel and Bay 11	Fresh or strong South-Westerly winds and a rather rough sea; mild, unsettled, occasional rain; fog or mist locally

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 3RD MARCH, 1915.



DAILY WEATHER REPORT.

Wednesday, 3rd March, 1915.

REPORTS FOR YESTERDAY.

2nd March, 1915.

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Vardö	1028·7	19	ESE	6	5	1030·9	0	14	−9	SSE	5	-	5	4	*	23	14
Bodö	1010·6	28	ESE	6	b	1018·4	+1	28	−4	ESE	6	-	bc	2	-	32	27
Christiansund	996·7	36	NE	1	b	1004·0	+3	34	+2	SE	1	-	b	3	-	37	32
Skudesnaes	996·6	30	-	0	b	1004·0	+3	32	+4	ESE	2	-	b	2	-	36	28
Skagen	993·9	34	E	3	0	998·9	+3	34	0	NNE	5	-	0	5	1	36	32
Sanguinaire	1009·2	50	W	5	0	1007·9	*	48	+1	NW	6	*	0	5	-	57	41
Lisbon	1016·6	61	NW	1	c	1014·4	0	54	+9	NNE	1	-	c	*	-	63	54
Horta						1013·1	0	59	−2	SSW	4	*	r	2	4	63	57
Rome	1009·0	48	S	1	bc	1007·4	0	50		SW	1	r	bc	0	-	55	46

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	Banff	3	43	33	c	bc c	3·0
	St. Andrews	–	43	30	*	*	6·4
Eng. N.E.	Harrogate	–	42	32	bc b	bc c o	5·8
	Scarborough	*	48	35	c b	c b	6·9
	Skegness	–	46	33	b bc	bc o	6·8
Eng. N.W.	Morecambe						
	Blackpool	1	45	38	c o	bc o or	2·2
	Southport	–	45	35	o c bc c	o c od	2·5
Midlands.	Buxton	1	40	33	bc	bc	0·8
	Leamington Spa	0·3	46	33	bc c	bc c	5·2
	Malvern	–	43	35	b bc	bc c	4·3
	Ross-on-Wye	–	47	33	bca cy	c o	3·7
Wales.	Rhyl	0·3	45	37	c bc	cr	2·4
	Colwyn Bay	–	46	37	bc	d cp	2·8
	Llandudno	1	48	40	bc	bc	1·8
	Aberystwyth	1	? 44	? 40	c c b	c or	4·0
	Tenby	–	46	33	bc	bc o	3·9
	Swansea	–	46	32	b	bc u	3·9
England. E.	Cromer	–	45	34	b	bc c o c	7·3
	Lowestoft	–	45	33	b bc c	c	5·9
	Felixstowe	–	45	34	b	bc	6·0
	Walton-on-Naze	–	44	32	b	bc c	5·7
	Southend-on-Sea	–	46	31	b	bc	6·5

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	46	32	bc	bc	6·9
	Margate	–	44	35	b	bc b	5·8
	Ramsgate	–	44	33	bc	c	6·0
	Folkestone	–	46	35	bc o	bc b	5·9
	Hastings	–	47	32	b	b	8·0
	Bexhill-on-Sea	–	47	34	b	bc	6·6
	Eastbourne	1	47	35	b	by	7·5
	Seaford	–	46	35	bc	bc	8·0
	Brighton	–	48	34	bc c bc	bc c	6·7
	Worthing	–	49	32	b	bc	7·6
	Littlehampton	2	46	28	b	b	8·1
	Bognor	1	47	34	b	b	7·4
	Southsea	–	46	35	b	b	7·0
	Bournemouth	–	49	33	bc c	c o	6·1
England, S.W.	Weymouth	–	48	34	bc	bc c	4·5
	Torquay	–	48	35	bc	bc c o	2·4
	Paignton	–	48	32	c bc	bc c	1·6
	Falmouth	Trace	49	35	b bc c	c o	3·4
	Penzance	1	50	34	bc	bc or	4·5
	Newquay	Trace	48	41	bc	o cp	1·8
	Ilfracombe	–	46	41	bc	bc c o	3·0
	Weston-super-Mare	–	?	?	bc b	b bc c	3·3

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 A.M. To-Day.)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	60	94	3·7	46	37	34	4	bc	bc o	o or
City (Bunhill Row)	*	*	3·8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	60	95	2·8	47	37	31	5	bc	bc	bc u d od
Camden Sq. (Brit. Rainfall)	59	96	5·2	47	37	36	6	c bc	bc c	*
Hampstead (Reservoir)	*	98	6·5	46	33	29	6	bc	or	or
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	62	94	3·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
595 Joules	15·2 Milliwatts.	34 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	!	44	33	31	bc c	c o	ogr	*
Darwen to 9 p.m.	1	41	33	29	bc u	c u b	bc or	1·3
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 9 p.m.	*	46	33	28	bc o b	b bc c	c o	*
Teignmouth to 9pm.	–	50	35	30	b bc	bc	bc c	2·1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	48	34	26	bc b	b bc	o c b	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

3rd & 4th March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6·38 / 6·36	12·5 / 12·5	5·32 / 5·34
Greenwich	6·44 / 6·42	12·12 / 12·12	5·40 / 5·42
Wick	7·5 / 7·3	12·24 / 12·24	5·43 / 5·45
Valencia	7·26 / 7·24	12·53 / 12·53	6·20 / 6·22

NOTES ON YESTERDAY'S WEATHER.

At a majority of our north and east stations the thermometer failed to reach 45°. In the east and south-east of England the amount of bright sunshine was large, but in the course of the night rain fell in all districts.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 63 (Thursday, 4th March, 1915.

DATE.	STATIONS	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1001.8	40	SSE.	8	omr	1001.3	+8	44	+5	SW	4	-	om	4	29	44	37	omr	omr	omd	*
	Deerness ...	997.3	41	SSE	7	r	1003.0	*	41	+3	SSW	5	-	o	5	8	43	36	rw	rg	or	0.0
	Stornoway ...	992.1	46	S	7	oqr	1001.6	+1	42	0	SSW	4	-	oq	4	8	47	42	orq	orq	od.opq	0.0
	Castlebay (Barra Isd.)	994.5	47	SW	5	c	1003.5	0	46	0	SW	5	-	o	5	6	48	43	r	r.o	od.op	0.0
	Glasgow ...	1001.4	46	SSW	3	o	1009.0	+2	43	+9	SW	2	-	o	*	5	47	34	sdpm.c	odp.om	or.o	0.0
	Eskdalemuir ...	1004.5	38	SSW	3	odf	1010.6	+3	41	+7	SW	4	W	om	*	11	41	34	o.odm	odf	odf.orm	0.0
	Malin Head ...	999.9	47	W	3	c	1007.2	+2	45	0	SW	4	W	od	4	2	50	43	cg	c	cg	0.5
	Blacksod Point	1001.3	47	SW	3	bc	1008.5	+1	47	-1	SW	4	SW	cm	3	2	55	44	bcp	bc	omd.om	*
	Valencia ...	1005.7	50	SW	3	c	1014.2	+2	49	-1	S	1	-	o	4	6	52	47	omr	omp.c	cmp	0.2
	Roche's Point	1006.3	49	SW	3	r	1016.5	*	47	-1	NW	3	-	o	3	7	49	42	fd	md	r.b.o	*
	Birr Castle ...	1006.5	50	S	1	r	1013.5	*	46	-3	S	1	-	o	*	3	55	46	o	or	o	0.0
	Donaghadee ...	1001.1	47	SSW	4	omr	1010.0	+2	45	-2	SW	3	-	cm	3	2	51	44	ogm	oms	bm.cm	*
	Liverpool (Bidston)	1011.0	49	SSW	2	o	1013.3	+3	46	+1	WSW	3	SW	o	2	1	51	45	oe	o	op	0.0
	Holyhead ...	1005.8	46	SSW	5	r	1013.2	+4	46	0	SW	4	-	cm	3	4	47	39	opdm	fr.o.fr	fp.d.b	0.0
	Pembroke (St. Ann's)	1010.2	45	SW	4	f	1017.7	+6	44	-1	WSW	3	-	fd	3	5	46	43	fpd	fmr	f mr	0.0
	Scilly (St. Mary's)	1009.9	48	SSW	4	odm	1017.7	+5	47	-1	WNW	3	NW	bm	4	3	50	45	fe.ome	odm	omb.bc	0.6
	Falmouth ...	1011.4	48	SSW	3	r	1018.0	+5	47	-1	SW	3	-	o	2	4	49	44	o.od	od.or	or.o	0.0
	Jersey (St. Aubin)	1015.4	48	S	3	op	1017.7	*	47	+2	W	3	-	o	3	4	50	44	o.c.o	op	op	1.1
	Portland Bill ...	1012.8	47	WSW	5	o	1015.8	+3	46	-1	W	1	-	b	3	2	47	43	od	o	orm	*
	Dungeness ...	1014.2	45	SW	4	o	1016.0	+1	45	+2	SW	2	-	o	2	0.4	45	42	omr.o	o.c.o	o.c opd	*
	Dover ...	1014.6	45	SW	4	o	1016.6	+1	44	+2	SW	4	-	me	3	3	46	41	r	om	o.cpmd	0.0
	Wick ...	997.1	41	SSE	5	o	1004.6	+5	42	+3	SSW	3	SW	o	4	4	44	38	omr	omr	omp	*
	Nairn ...	997.7	47	S	2	cg	1005.8	*	42	+5	WSW	2	-	bc	2	1	42	36	d.cd	cg	cg	0.0
	Aberdeen ...	1001.6	42	S	3	odm	1007.0	+5	39	0	-	0	-	bm	3	7	42	39	orm	orm	odm bm	0.0
	Leith ...	1001.1	49	SW	2	o	1008.4	+4	45	+7	WSW	2	-	o	*	3	50	37	ogd.or	orm.o	or	*
	Tynemouth ...	1004.9	47	SSW	4	odm	1010.3	+4	42	+6	SW	2	W	c	2	3	48	36	omr	omr	omp	*
	Spurn Head ...	1008.8	46	WSW	2	o	1012.2	+4	45	+7	WSW	2	-	om	4	3	48	38	f	f.om	orm	0.0
	Yarmouth ...	1011.4	49	SW	2	om	1014.5	+3	45	+6	W	1	W	om	1	9	51	38	omr	omr	omr	0.0
	Clacton-on-Sea	1012.0	44	SW	2	c	1014.3	+1	43	+2	SSW	2	-	ogc	2	4	45	40	ogr	og.c	ogfr	0.0
	Nottingham ...	1009.5	50	SW	3	o	1013.5	*	47	+4	SW	1	SW	cm	*	1	54	43	or.p	o	op	0.0
	Bath ...	1012.1	50	SW	5	o	1016.0	*	46	-2	W	3	SW	m	*	1	54	46	pd.o	opd	ordm	0.1
	London (Kew Obsy.)	1013.0	48	SW	3	om	1015.3	+2	46	+2	SW	3	-	o	*	3	51	44	omd.om	om.o	ormd.or.o	0.0
ICELAND, FAERÖE, &c.	Spitsbergen ...	1035.4	-6	-	0	o	1032.3	-6	-2	+27	-	0	*	s	*	*	-2	-31				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE	Vardö ...															*						
	Bodö ...	1023.5	23	E	4	b	1021.9	-1	23	+2	ESE	4	-	b	2	-	27	19				
	Christiansund	1017.2	32	-	0	b	1012.4	0	34	0	SE	3	-	o	3	-	37	32				
	Skudesnaes ..	1017.7	30	SE	6	o	1014.3	0	34	0	SSE	8	-	o	5	-	36	30				
	Færder (X'ania Fjord)	1024.4	27	NE	1	o	1025.1	0	27	0	SE	4	-	o	2	-	27	27				
	The Scaw (Skagen)	1022.4	28	ENE	3	o	1023.4	+1	27	-1	ESE	4	E	c	3	-	28	21				
	Blaavands Huk	1020.7	28	SE	3	b	1019.0	0	30	0	SE	6	-	o	5	-	37	25				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1013.9	37	SE	2	r	1015.0	+2	43	+4	SSW	3	-	r	2	5	43	37				
	Brusse's ...	*	*	*	*	*									*							
	C. Gris Nez ...												*									
	La Hève ...	1015.7	44	SSW	3	o	1017.9	*	44	+5	SW	3	*	o	2	1	48	39				
	Ushant ...							*					*									
	Brest (St. Mathieu)												*									
	Rochefort (Ile d'Aix)												*		*							
	Biarritz ...	1015.9	61	E	1	b	1021.9	+2	52	+11	SW	2	*	o	2	4	64	[illegible]				
	Paris ...														*							
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	1018.3	43	-	0	b	1020.3	+1	41	0	E	3	*	b	2	-	54	37				
	Perpignan ..	1019.3	48	ENE	1	b	1020.8	0	43	+4	W	1	-	o	*	-	57	39				
	Sanguinaire ...	1018.0	55	E	2	bc	1016.3	*	51	+2	E	2	*	o	3	-	57	43				
SOUTHERN EUROPE	Corunna (7 a.m.)	1017.7	55	W	4	o	1025.0	+3	50	0	S	2	SW	f	1	-	64	48				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1010.6	*	S	5	o							*									
	Madeira (Func'al)																					

GALES.

Duration and Extreme Force in British Islands.

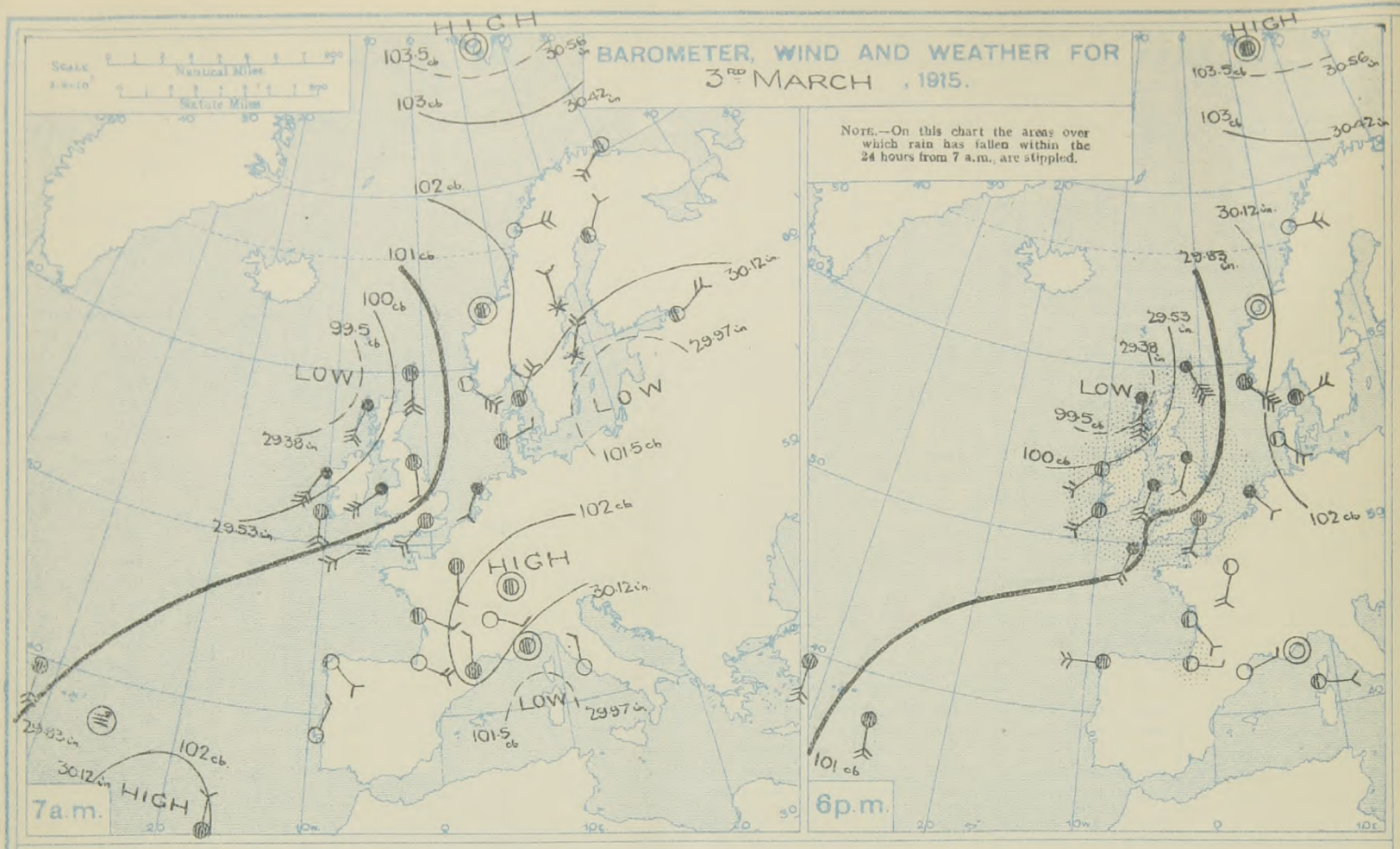
Lerwick.

3rd, 3pm-11pm SSE. 8.

Stornoway.

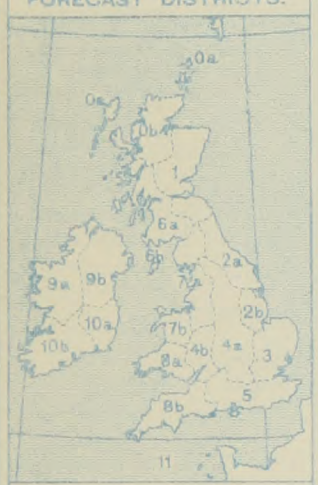
Squalls force 8 during night

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued

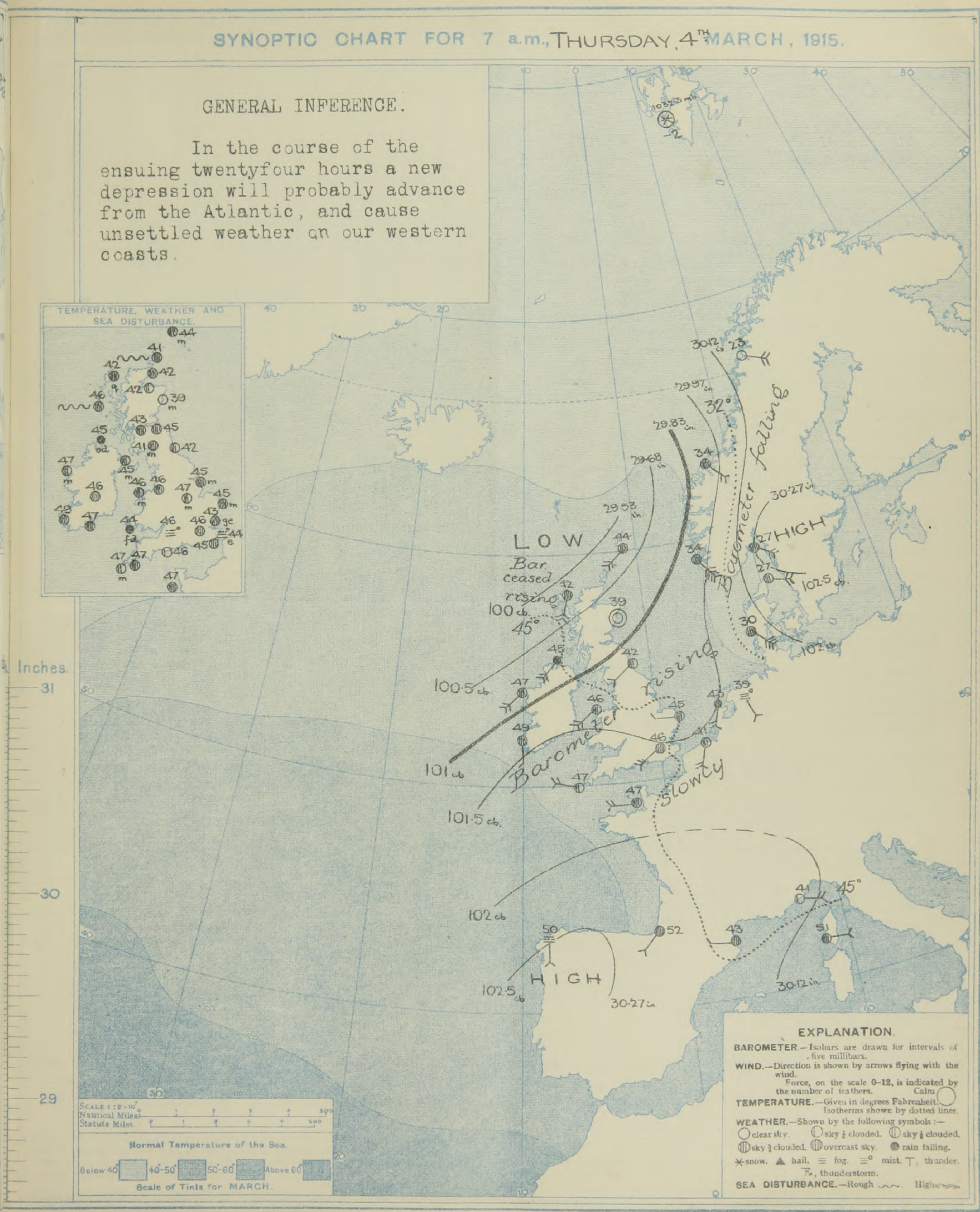
0 a, b; 1	Light to moderate Southerly and South-Westerly winds; fair to-day, some rain to-morrow; continuing mild.
2 a, b; 3; 4 a, b; 5	Light South-Westerly winds; fair generally, but misty in places; continuing mild.
6 a, b; 7 a, b; 8 a, b	Moderate or fresh South-Westerly to Southerly winds; fair at first, misty in places, some rain later; continuing mild.
9 a, b; 10 a, b	Freshening Southerly winds; cloudy, misty, some rain; continuing mild.
Western Channel and Bay 11	Freshening South-Westerly winds, and a rather rough sea; fair at first, showery later; continuing mild.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 4TH MARCH, 1915.



DAILY WEATHER REPORT. Thursday, 4th March, 1915.

REPORTS FOR YESTERDAY.

3rd March, 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd	1014·6	21	E	4	c	1018·9	+3	12		ENE	3	-	bc	*	-	27	12
Brest	1019·0	46	S	4	o	1016·2	0	46	+1	S	3	*	o	3	-	50	43
Rochefort	1021·5	44	WNW	2	bc	1019·1	-1	37	0	ESE	1	*	bc	*	-	55	37
Belfort	1019·5	33	WSW	4	o	1022·1	*	32		-	0	*	c	*	-	41	31
Lisbon	1012·4	68	WNW	1	b	1015·3	+2	54	0	NNE	1	-	b	5	-	70	54
Rome	1014·4	48	N	2	b	1019·0	+2	36	-14	N	1	-	b	*	-	59	36

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	11	49	35	or	or	0·0
	Banff						
	St. Andrews	4	46	34	*	*	0·0
Eng. N.E.	Harrogate	3	49	33	o	o	0·0
	Scarborough	*	48	35	of	of	0·0
	Skegness	8	51	36	or	o·c	0·0
Eng. N.W.	Morecambe	17	49	37	r	rg	0·0
	Blackpool	9	50	37	or·o	o	0·0
	Southport	8	50	36	or	o	0·0
Midlands.	Buxton	10	47	32	bc	bcr	0·0
	Leamington Spa	8	53	36	o·c	c	0·6
	Malvern	10	52	37	c	c	0·0
	Ross-on-Wye	1	54	38	ce·bc	oc·c	0·5
Wales.	Rhyl	3	52	37	cr	cr	0·2
	Colwyn Bay	4	52	37	rd·or	c·o·c	0·8
	Llandudno	5	51	41	o	f	0·0
	Aberystwyth	12	48	41	or·c	or·r	0·0
	Tenby	11	47	36	bc·c·od	od	0·0
	Swansea	14	48	41	r·u	d·r	0·0
England, E.	Cromer	10	50	36	o·cmr	o·cr·o·c	0·0
	Lowestoft	12	50	37	or	or·c	0·0
	Felixstowe	7	49	37	op	op	0·0
	Walton-on-Naze	8	48	38	or	o·c	0·0
	Southend-on-Sea	4	47	38	or	o	0·0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	6	47	37	od	o	0·0
	Margate	5	44	38	or	o	0·0
	Ramsgate	7	47	36	r	o	0·0
	Folkestone	6	44	34	or	or	0·0
	Hastings	4	45	39	or·o	o	0·0
	Bexhill-on-Sea	1	47	34	or	orm	0·0
	Eastbourne	8	47	41	od	od	0·0
	Seaford	7	45	42	r	c	0·0
	Brighton	6	46	38	or·o	o	0·0
	Worthing	5	45	40	r	c	0·0
	Littlehampton	4	45	36	o	o	0·0
	Bognor	5	41	41	od	od	0·0
	Southsea						
	Bournemouth	4	48	38	od	od	0·0
England, S.W.	Weymouth	3	49	39	op	op	0·0
	Torquay	2	50	44	od	d·od	0·0
	Paignton						
	Falmouth	6	49	47	o·od	od·or	0·0
	Penzance	5	51	46	omr	omr	0·0
	Newquay	3	49	43	om	op·dm	0·0
	Ilfracombe	7	52	42	o·c	c·od	0·6
	Weston-super-Mare	5	52	41	o	c·o	0·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	87	95	0·0	53	45	43	1	or·o	o	or·o
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	85	95	0·0	52	45	40	2	or	o	or·oe
Camden Sq. (Brit. Rainfall)	88	97	0·1	52	45	43	2	or·c	c·o	*
Hampstead (Reservoir)	*	99	0·0	49	42	37	2	c·or	od	om
Richmond Park	*	*	0·0							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

	Vertical Component of Solar Radiation per square centimetre during yesterday. Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	240 Joules	6·1 Milliwatts.	23 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm.§	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	11	49	32	32	or	or	ou·r	* 0·0
Manchester ,,				*				
Birmingham ,,	7	51	34	32	*	r	c·o	0·2
Oxford to 9 p.m.	*	53	39	37	or·o	o	o	*
Teignmouth to 9pm.	1	52	44	42	om	om	om	0·1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	5	52	39	36	o·or·od	or·o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

4th & 5th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·36 / 6·34	12·3 / 12·5	5·34 / 5·36
Greenwich	6·42 / 6·40	12·12 / 12·12	5·42 / 5·44
Wick	7·3 / 7·0	12·24 / 12·24	5·45 / 5·48
Valencia	7·24 / 7·22	12·53 / 12·53	6·22 / 6·24

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 50° and upwards in several parts of the United Kingdom, and touched 55° at Birr Castle. Rain fell in all districts, and a gale from the Southward was experienced in Shetland and the Hebrides.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 64 (Friday, 15th March 1915.)

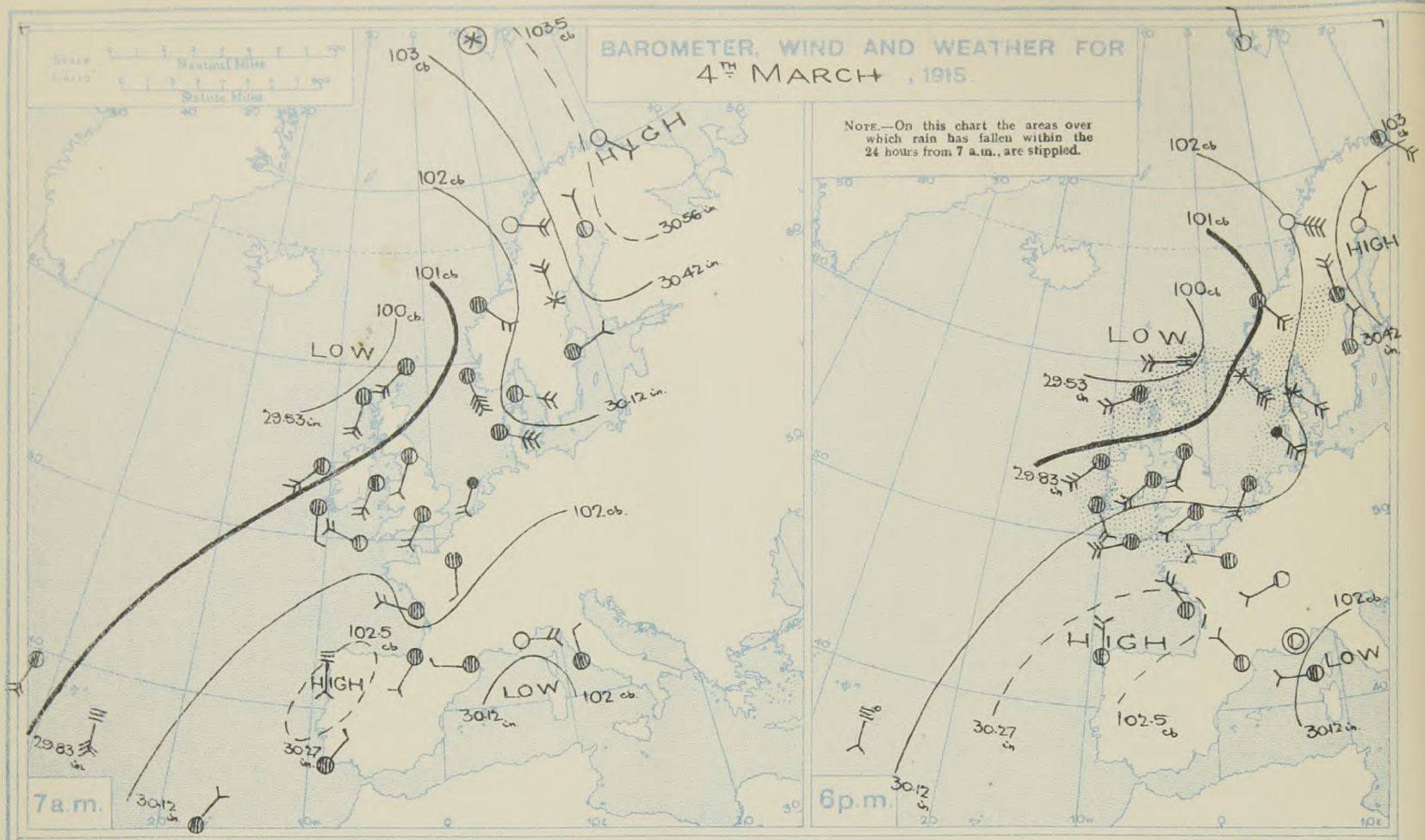
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	997.8	43	W	4	cm	1003.0	+1	41	-3	SW	2	-	cm	2	10	44	37	orm	orm	cm	*
	Deerness ...	1001.6	42	WNW	2	omr	1003.4	*	43	+2	SSW	1	-	fe	4	6	43	41	or	r	ofe	0.0
	Stornoway ...	1002.1	47	WSW	4	op	1004.2	0	47	+5	WSW	3	-	odm	3	8	48	42	od.rq	op	odmq	0.0
	Castlebay (Barra Isd.)	1004.1	48	SW	5	r	1006.0	-1	47	+1	SW	5	-	r	6	8	48	45	op	r	r	0.0
	Glasgow ...	1008.8	49	SW	4	od	1010.4	+2	49	+6	WSW	2	-	o	*	10	50	43	vrg	r	r.oq.op	0.0
	Eskdalemuir ...	1011.2	43	SW	5	odm	1012.5	0	45	+4	S	4	-	orm	*	12	46	40	orm.or	or.odm	odm.o	0.0
	Malin Head ...	1008.8	48	SW	6	ompq	1008.9	0	48	+3	WSW	5	W	omq	5	1	48	45	omd	ompq	omq	0.0
	Blacksod Point	1012.6	48	SW	5	om	1011.2	-3	48	+1	SW	6	SW	omd	5	Trace	51	46	om	om	fe.om	*
	Valencia ...	1017.9	51	SSE	3	o	1018.9	0	49	0	S	2	-	om	4	1	52	49	om	om	omd	0.0
	Roche's Point	1020.3	49	SW	3	o	1021.9	*	48	+1	W	2	-	o	2	0.3	50	47	ofe	f.opm	o	*
	Birr Castle ...	1016.3	51	SW	1	o	1017.4	*	49	+3	SW	3	-	o	*	-	52	45	o	o	o	0.0
	Donaghadee ...	1010.9	52	SW	5	ogm	1012.5	+1	50	+5	WSW	6	W	ogmq	4	0.3	52	44	ogmp	ogm	o.ogmq	*
	Liverpool (Bidston)	1016.2	49	SW	3	o	1017.5	+1	47	+1	SSW	2	SW	bc	2	0.1	53	46	o	op.c	bc	0.2
	Holyhead ...	1015.8	47	SW	4	of	1016.8	-1	46	0	SW	4	-	om	3	1	49	45	c.o.of.e	o.oe.f	of.b.bc	0.3
	Pembroke (St. Ann's)	1020.5	46	WSW	3	f	1021.3	0	46	+2	WSW	3	-	ogm	4	0.2	48	43	fd	oq	fd	0.8
	Scilly (St. Mary's)	1022.0	50	W	5	om	1023.7	-1	48	+1	WSW	4	-	fe	5	1	52	47	bcm	em	omd.fe	5.1
	Falmouth ...	1023.0	49	SW	2	c	1024.1	0	47	0	SW	3	-	od	2	0.4	56	46	o.c	c.bc.c	c.o.or	2.0
	Jersey (St. Aubin)	1023.6	49	W	3	o	1026.3	*	48	+1	WSW	4	-	r	3	0.1	52	46	op.c.o	oe.o	b.omd	2.5
	Portland Bill ...	1021.3	47	WSW	4	c	1023.2	+1	47	+1	WSW	5	W	o	4	-	50	45	bc.c	o.c	c.o	*
	Dungeness ...	1020.2	45	SW	2	o	1020.1	+1	46	+1	SW	4	SW	c	3	-	47	44	of.o	o	b.bc	*
	Dover	1021.1	48	SW	2	c	1019.9	0	47	+3	WSW	5	W	c	4	-	48	44	e.o.e	c	c.bc.c	0.0
	Wick	992.3	44	SW	2	o	1003.7	+1	46	+4	-	0	-	o	3	4	46	41	omp.d	om	ofem.d	*
	Nairn	1002.1	49	WSW	2	oge	1005.0	*	49	+7	WSW	2	-	og	2	1	49	41	cdq	qdg	oq	0.0
	Aberdeen ...	1003.9	48	SW	3	cm	1006.4	+1	47	+8	SW	3	W	o	3	2	48	39	omd.r	orm.c	op.o	0.0
	Leith	1006.5	51	WSW	4	o	1009.5	+1	50	+5	WSW	3	-	r	*	Trace	52	44	og	op.o	o	*
	Tynemouth ...	1010.1	50	SW	3	om	1010.8	+1	51	+9	W	5	W	c	4	-	52	41	omp	omr	c	*
	Spurn Head ...	1015.3	46	SW	2	r	1014.9	0	?49	+4	WSW	4	-	o	4	1	49	?45	om	omr	om	0.9
	Yarmouth ...	1018.1	50	SW	2	c	1016.3	0	48	+3	W	3	W	c	2	-	52	44	om	o.c	cm.c	0.0
	Clacton-on-Sea	1018.4	45	WSW	1	og	1017.9	0	45	+2	W	3	W	o	2	-	48	43	oge	oge	og	0.0
	Nottingham ...	1017.2	51	WSW	3	o	1016.5	*	48	+1	W	6	W	c	*	-	55	46	om	c.o	o	0.1
	Bath	1020.3	50	W	2	o	1021.8	*	49	+3	W	4	W	o	*	-	53	45	m.og	go	oqdq	0.9
	London (Kew Obsy.)	1020.5	51	WSW	2	o	1020.3	0	48	+2	WSW	4	W	o	*	-	54	46	oge	oge	abc.bbco	0.0
Iceland, Faeröe, &c.	Spitsbergen ...	1028.0	-10	N	1	b	1022.0	-8	5	+7	SE	1	*	s	*	*	5	-13				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö	1028.0	18	SE	4	c	1031.3	-3	14	-9	SW	6	-	o	5	*	23	12				
	Bodö	1020.0	21	ESE	8	b	1017.0	-1	21	-2	ESE	7	-	b	2	-	25	14				
	Christiansund	1009.2	36	SE	1	o	1006.7	0	36	+2	SE	1	-	c	3	-	39	34				
	Skudesnaes ..	1010.4	30	SE	6	s	1008.6	+2	34	0	ESE	4	-	o	4	?	34	30				
	Færder (X'tiania Fjord)	1020.6	27	SE	4	o	1017.0	0	27	0	ESE	4	-	s	2	?	27	25				
	The Scaw (Skagen)	1020.2	28	SE	4	s	1013.1	+1	28	+1	SE	5	-	s	5	1	30	27				
	Blaavands Huk	1015.7	32	SSE	5	r	1007.7	-3	37	+7	W	1	-	r	2	11	39	28				
	Haparanda ...	1034.6	0	NE	2	b	1032.5	0	-9	+2	N	2	-	bc	*	-	9	-11				
	Hernösand ...	1029.3	5	N	4	o	1026.0	0	1	-9	NE	2	-	b	*	Trace	12	-2				
	Stockholm ...	1024.0	19	NNE	2	o	1020.3	0	10	-11	N	2	-	c	*	-	25	10				
	Wisby	1022.7	25	NE	4	o	1018.0	-3	25	0	ENE	2	-	o	*	-	27	23				
	Karlstad	1023.9	23	ENE	2	s	1020.4	-1	18	-5	E	2	-	s	*	-	27	14				
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1017.5	43	SW	3	o	1014.7	0	45	+2	SW	4	-	r	3	1	45	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1021.1	45	SSW	4	o	1020.3	0	46	+2	SW	5	*	o	5	1	46	41				
	La Hève	1024.0	45	WNW	2	o	1025.9	*	45	+1	WSW	3	*	f	4	-	48	39				
	Ushant	1026.0	50	SW	3	o	1027.5	*	50		SW	3	*	m	3	-	52	45				
	Brest (St. Mathieu)	1026.3	50	WNW	2	o	1028.2	0	49	+1	SW	3	*	m	2	-	59	46				
	Rochefort (Ile d'Aix)	1025.3	48	NW	3	c	1029.7	+3	46	-3	NW	1	*	m	*	-	54	45				
	Biarritz												*									
	Paris	1023.4	52	WNW	2	o	1026.0	0	45	+4	SW	2	-	o	*	-	59	41				
	Belfort	1022.9	47	WSW	2	b	1027.7	*	38		W	2	*	o	*	-	58	37				
	Lyons							*					*		*							
	Nice	1021.5	46	-	0	b	1023.9	0	43	+2	E	2	*	b	2	-	54	39				
	Perpignan ..	1022.4	54	NW	2	c	1027.0	+3	54	+11	NNW	3	NW	bc	*	Trace	61	43				
	Sanguinaire ...	1019.4	55	W	2	c	1019.1	*	49	-2	E	2	*	b	2	-	57	43				
Southern Europe.	Corunna (7 a.m.)	1026.7	55	N	3	c	1029.3	+2	46	-4	SSE	2	-	f	1	-	57	46				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

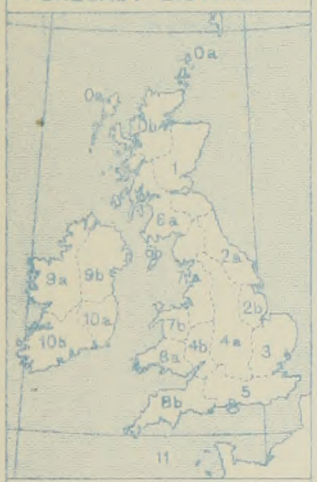
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 (a, b), 1, 2 (a, b): Moderate or fresh Westerly to South-Westerly winds; mild, cloudy, occasional rain.

3, 4 (a, b), 5: Freshening South-Westerly winds; mild, cloudy, slight rain in places.

6 (a, b), 7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b): Freshening South-Westerly winds, strong in places; mild, dull, misty, occasional rain.

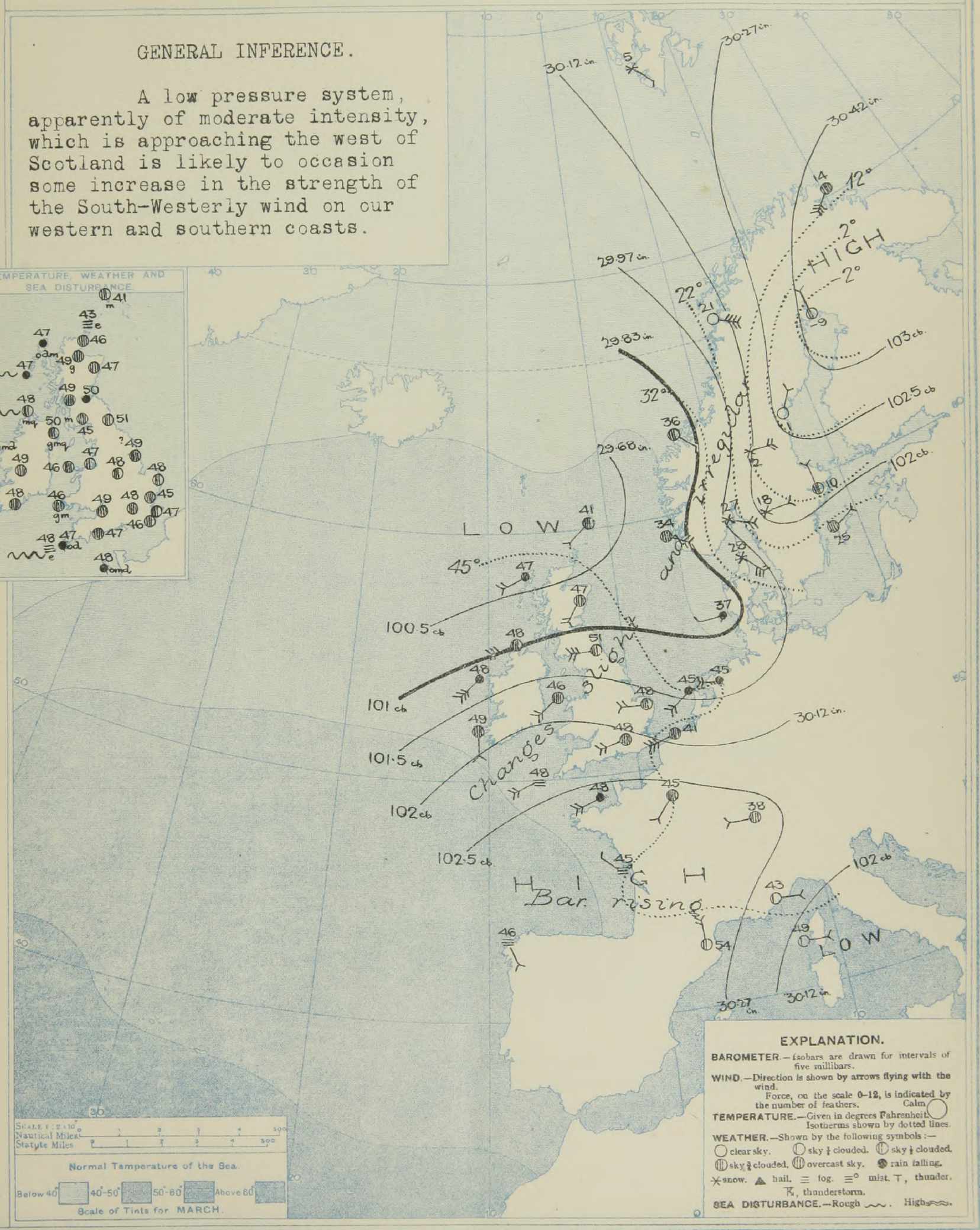
Western Channel and Bay 11: Moderate or fresh Southerly and South-Westerly winds, and a rather rough sea; dull, misty or foggy, slight rain in places; mild.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 5TH MARCH, 1915.



DAILY WEATHER REPORT. Friday, 5th March, 1915.

REPORTS FOR YESTERDAY.

4th March, 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb °F.	Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Vardo	1032·6	21	NE	3	o	1036·3	0	23	+9	SE	2	–	o	2	*	23	7
Haparanda	1030·7	-4	N	2	b	1034·7	+2	-11		N	2	–	bc	*	–	7	-11
Hernösand	1027·8	16	N	2	o	1029·1	+2	10		N	4	–	6	*	1	21	10
Stockholm	1022·0	23	NNE	2	o	1025·0	0	21		ENE	2	–	o	*	1	25	19
Wisby	1019·3	25	NE	4	o	1023·0	+2	25		SE	2	–	o	*	Trace	27	25
Karlstad	1024·6	25	–	o	b	1026·4	0	23		NE	2	–	S	*	0	28	19
C. Griz Nez	1014·4	44	SSW	5	o	1016·6	+2	44	+6	SSW	5	–	o	3	5	45	38
Brest	1015·8	47	SSE	4	o	1020·6	+4	48	+2	NW	2	*	o	3	2	58	46
Rochefort	1017·3	53	SE	2	bc	1019·1	+5	48	+11	WNW	3	*	o	*	1	59	37
Paris	1018·0	45	SSW	2	b	1019·5	+2	41	+5	S	1	–	o	*	–	52	36
Rome	1021·3	46	SW	1	b	1021·3	0	41	+5	N	1	–	o	*	–	55	30
Horta						1007·8	+1	61	+2	SW	4	*	o	4	22	63	57
Funchal	1021·5	61	N	2	c	1023·7	0	67	-2	NE	2	–	o	2	–	63	57

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall. mm.§	Temperature Max. °F.	Temperature Min. °F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
Scotland	Oban	13	46	39	or	or	0·0
	Banff						
	St. Andrews	1	50	41	*	*	0·1
Eng. N.E.	Harrogate	–	49	44	o	c·o	0·0
	Scarborough	*	51	45	o·c	o	0·0
	Skegness	–	54	44	o·c	c·or·o	0·4
Eng. N.W.	Morecambe						
	Blackpool	3	49	42	o·bc	c·or	0·3
	Southport	2	52	44	o	or	0·0
Midlands	Buxton	2	48	32	bc	bc	0·0
	Leamington Spa	1	55	46	c	c	1·3
	Malvern	1	54	46	c	c	0·9
	Ross-on-Wye	–	55	42	bc	bc·c	2·1
Wales	Rhyl	0·3	52	46	c	c	1·1
	Colwyn Bay	–	54	46	og	o·c·o	1·0
	Llandudno	1	53	48	o	o	1·8
	Aberystwyth	5	48	44	or·c	c·o	1·3
	Tenby	3	51	42	bc·o	bc·o	0·5
	Swansea	5	50	45	d	od	0·0
England, E.	Cromer	–	52	45	o·c	o·c	0·0
	Lowestoft	0·3	52	48	o	o·c·o	0·0
	Felixstowe	2	49	43	od	om	0·0
	Walton-on-Naze	1	50	40	o·b·omg	ogm·o·c	0·0
	Southend-on-Sea	1	47	42	o	o	0·0

	STATIONS.	Rainfall. mm.§	Temperature Max. °F.	Temperature Min. °F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	0·3	51	43	ome	c	0·0
	Margate	2	50	38	og	og	0·0
	Ramsgate	2	48	43	o	o	0·0
	Folkestone	1	47	42	o	o	0·0
	Hastings	1	48	43	f·om	o·c	0·0
	Bexhill-on-Sea	1	48	43	om	o	0·0
	Eastbourne	1	51	44	o	o·bog	0·0
	Seaford	1	47	44	r	c	0·0
	Brighton	2	49	44	fe·o·c	o·c·o	0·1
	Worthing	3	53	44	m	c	0·7
	Littlehampton	3	52	39	c·b·bc	bc·c	0·9
	Bognor	3	52	43	o	o	1·0
	Southsea	2	53	45	o·c	o	1·3
	Bournemouth	1	56	44	c	c	3·1
England, S.W.	Weymouth	3	53	45	c·bc	bcm	3·2
	Torquay	2	55	43	o	c·bc·c	1·7
	Paignton	3	56	42	bc	bc·c	1·5
	Falmouth	3	55	46	o·c	c·bc·c	2·0
	Penzance	4	55	47	bc	bc	2·1
	Newquay	2	51	45	cm·bc	bc·c	1·9
	Ilfracombe	6	52	45	of·c	bc·def	2·1
	Weston-super-Mare	3	49	43	bcm	bc·c	0·1

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday. %	Humidity 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature in Screen Max. (24 hours ended 9 A.M. To-Day) °F.	Temperature in Screen Min. °F.	Min. on Grass °F.	Rainfall. mm.§	Weather Forenoon.	Weather Afternoon.	Weather Night.
Greenwich (Royal Obsy.)	76	84	0·0	53	47	41	–	o	o	o·c·o
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	77	85	0·0	54	47	42	–	o·b	o	o·b·o
Camden Sq. (Brit. Rainfall)	78	85	0·0	54	47	43	–	ogm·o	o	*
Hampstead (Reservoir)	*	90	0·0	52	43	37	–	c	o	o
Richmond Park	*	*	0·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	76	84	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
296 Joules	7·5 Milliwatts.	34 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall. mm §	Temperature In Screen Max. °F.	Temperature In Screen Min. °F.	Night Min. on Grass F.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	0·3	55	46	44	cpb·o	c·o	c·o	*
Darwen to 9 p.m.	3	50	43	42	or·u	ou	ou·r	0·0
Manchester ,,				*				
Birmingham ,,	–	52	44	40	*	c	o	0·1
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	2	54	45	44	or·o	o	o·ozo	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

5th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·34 / 6·32	12·5 / 12·5	5·36 / 5·38
Greenwich	6·40 / 6·38	12·12 / 12·12	5·44 / 5·46
Wick	7·0 / 6·57	12·24 / 12·24	5·48 / 5·50
Valencia	7·22 / 7·20	12·53 / 12·52	6·24 / 6·26

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 50° and 55° in many parts of the United Kingdom, and touched 56° at Falmouth. The amount of bright sunshine was small, and rain fell in most of the western and northern districts.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 65

Saturday, 6th March, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1000·9	43	–	0	c	1004·8	+2	41	0	NNW	4	–	c	3	3	46	39	c	c	cm	*
	Deerness ...	1000·3	42	N	1	rg	1008·1	*	40	-3	WNW	4	–	o	2	8	46	40	fe	fe.r	or	0·0
	Stornoway ...	1002·4	48	W	5	orq	1011·0	+4	41	-6	NW	3	NW	c	3	16	50	40	orm	orq	od.c	0·0
	Castlebay (Barra Isd.)	1007·4	48	W	6	or	1011·3	+1	47	0	W	4	–	op	4	6	49	45	r	r	r.d.op	0·0
	Glasgow ...	1008·9	48	WSW	5	o	1011·2	-1	45	-4	W	2	NW	bc	*	3	50	45	or.odp	odpq.o	oq.c.bc	0·0
	Eskdalemuir ...	1010·2	46	W	7	orq	1011·8	-1	45	0	W	5	W	op	*	4	49	44	om.or	orq	or.cq.o	0·0
	Malin Head ...	1012·2	47	WSW	6	cmrq	1013·6	0	46	-2	SW	6	–	om	6	1	50	44	ompq	cmpq	omd	0·0
	Blacksod Point	1019·9	48	WSW	4	om	1020·9	0	48	0	WSW	6	W	fe	5	1	50	45	fe	cm	bcm.cm	*
	Valencia ...	1026·1	51	–	0	c	1026·7	-2	49	0	SW	4	–	b	4	1	54	48	m.c	c.bm	c.bmomq	2·5
	Roche's Point	1023·0	53	W	4	bc	1026·3	*	48	0	W	3	–	b	3	–	58	42	o.c	c.bc.b	b	*
	Birr Castle ...	1021·7	51	W	4	o	1022·3	*	50	+1	SW	4	–	o	*	1	59	46	c.od.r	o.c om	o	1·2
	Donaghadee ...	1013·2	50	W	7	cqm	1014·8	-2	49	-1	WNW	5	–	omdq	4	1	54	42	cmpq	cmpq	omrnd	*
	Liverpool (Bidston)	1016·3	50	WSW	6	b	1015·9	-3	46	-1	WSW	6	W	oq	5	4	54	45	o.b	oq	cqr	2·3
	Holyhead ...	1017·9	51	WSW	5	cg	1018·1	-2	50	+4	WSW	5	–	omq	4	0·1	52	46	c.bc.co	op.o.o.c	c.bc.o	1·6
	Pembroke (St. Ann's)	1023·6	47	W	4	bc	1023·3	-3	45	-1	WSW	5	SW	cqm	5	0·4	48	44	oqm	f	bcpm	0·0
	Scilly (St. Mary's)	1026·8	49	W	4	f	1028·1	0	46	-2	WNW	6	W	om	6	0·3	51	46	fe	fe	om	0·1
	Falmouth ...	1026·0	51	W	4	r	1026·9	0	45	-2	WNW	4	–	b	1	0·2	52	45	or.o	o.od	o.c.bc.b	0·0
	Jersey (St. Aubin)	1026·2	49	WSW	4	fe	1027·1	*	46	-2	W	4	–	omd	3	0·1	51	45	omd.fe	fe.om	fe.omd	0·0
	Portland Bill ...	1022·3	48	WSW	5	c	1023·0	0	46	-1	W	5	W	bc	4	–	49	45	om	ome	o.bc	*
	Dungeness ...	1019·5	46	SW	4	o	1019·0	0	46	0	SW	4	SW	o	4	–	48	44	bc	bc.o	cm.o.	*
	Dover ...	1019·4	49	SW	2	r	1017·9	+1	48	+1	WSW	4	–	c	4	–	53	45	c	c.b.bc	bc.b.o	2·0
	Wick ...	1001·6	46	NW	1	r	1008·5	+3	41	-5	NW	2	–	o	2	10	46	40	omd	omd.r	omp.d	*
	Nairn ...	1002·6	49	W	2	cd	1010·4	*	40	-9	WNW	1	–	ou	2	8	52	40	r.cu	pd.c	oqqp	0·0
	Aberdeen ...	1002·4	51	WSW	3	o	1009·3	+2	40	-7	NW	3	–	o	2	5	54	40	rm.o	o.cp	op	0·6
	Leith ...	1006·6	51	WSW	5	o	1009·6	-2	47	-3	WSW	3	W	bc	*	0·4	52	46	or.oq	opq	bc.b	*
	Tynemouth ...	1008·6	52	WNW	3	og	1010·8	+1	47	-4	W	2	–	b	2	–	52	46	cm	og	bc	*
	Spurn Head ...	1012·4	50	W	6	o	1012·4	0	48	-1	W	6	–	cqm	5	–	54	44	om	om	bc	0·7
	Yarmouth ...	1014·8	53	W	4	c	1014·1	0	49	+1	WNW	5	NW	oq	1	–	55	45	c.bcqm	c	bq.o	4·5
	Clacton-on-Sea	1016·0	50	W	3	c	1015·6	0	47	+2	WNW	3	NW	c	2	–	54	44	o	o.c.bc.c	c.bc.c	2·4
	Nottingham ...	1016·2	53	W	5	o	1015·4	*	50	+2	NW	6	NW	om	*	Trace	57	48	c.bc	bc.cp.o	o.c	4·9
	Bath ...	1021·4	50	W	4	o	1021·7	*	46	-3	W	4	W	o	*	–	53	45	opd	og	oq.c	0·1
	London (Kew Obsy.)	1018·9	52	W	4	o	1019·6	-1	45	-3	WSW	4	NW	c	*	–	54	44	o	o.c.bc.o	o.bc.b.c	1·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1018·3	0	N	2	bc	1017·2	-1	5	0	–	0	*	c	*	*	5	-9				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...															*						
	Bodö ...	1013·3	18	ESE	7	o	1011·8	0	18	-3	ESE	6	–	b	2	–	21	7				
	Christiansund	1005·1	36	SE	3	o	1003·4	0	34	-2	–	0	–	o	4	Trace	37	34				
	Skudesnaes ..	1006·3	32	SE	4	s	1007·0	+3	34	0	S	2	–	o	3	?	36	36				
	Færder (X'tania Fjord)	1014·9	23	E	4	o	1010·7	+1	23	-4	ENE	4	–	s	2	?	21	21				
	The Scaw (Skagen)	1013·2	30	ESE	5	o	1007·9	+2	25	-3	E	4	–	s	4	3	30	25				
	Blaavands Huk	1007·4	36	SE	3	r	999·9	-1	34	-3	ESE	2	–	r	1	11	39	32				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (6 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1012·7	45	SW	4	o	1009·1	0	45	0	W	6	–	c	6	5	46	43				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1019·0	46	SW	6	o	1019·4	0	46	0	WSW	6	*	c	5	Trace	48	45				
	La Hève ...	1025·1	43	WNW	5	f	1025·0	*	45	0	WNW	4	*	o	4	1	48	41				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1030·3	50	W	3	m	1030·0	0	46	-3	NNW	4	*	f	3	–	52	45				
	Rochefort (Ile d'Aix)	1031·9	47	SW	3	r	1030·0	-2	46	+1	NW	4	*	f	*	1	55	46				
	Biarritz ...	1031·5	51	NNE	2	b	1032·0	0	46	-2	ESE	1	*	o	2	–	57	45				
	Paris ...	1025·2	50	SW	3	o	1023·0	-1	48	+3	W	4	–	o	*	–	59	45				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	1021·2	48	–	0	o	1017·0	-1	43	0	–	0	*	bc	3	–	57	41				
	Perpignan ..	1026·6	54	NW	2	b	1026·6	+3	52	-2	NW	4	–	c	*	–	63	50				
	Sanguinaire ...	1019·9	52	E	1	bc	1015·9	*	47	-2	E	2	*	o	3	–	61	45				
SOUTHERN EUROPE.	Corunna (7 a.m.)																					
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)	1024·3	64	NE	2	bc	1024·3	0	55	0	E	3	–	b	3	–	66	55				

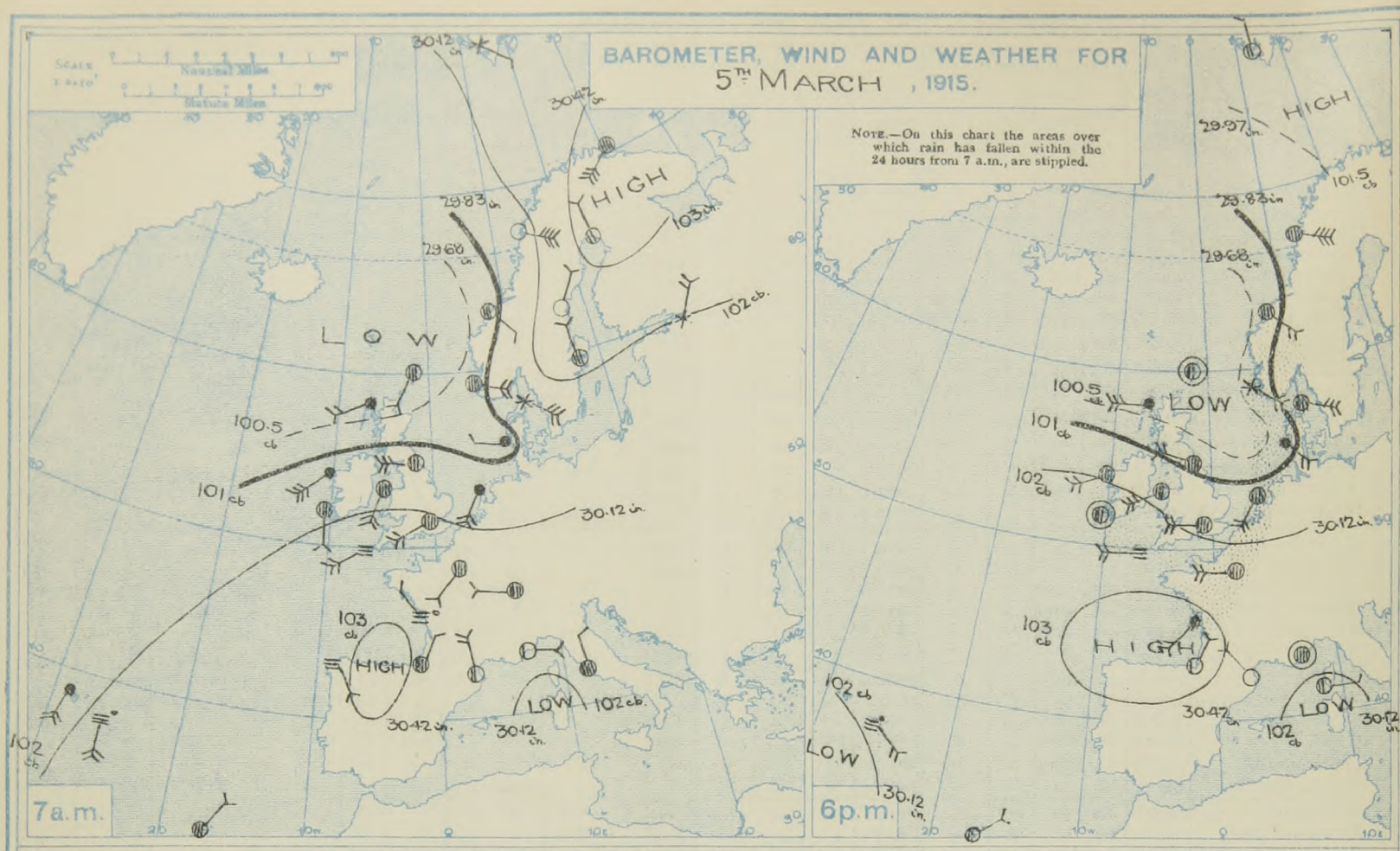
GALES.

Duration and Extreme Force in British Islands.

Nottingham

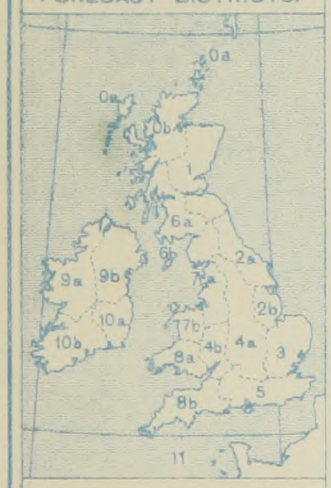
6th 2 a.m. NW. 8

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued

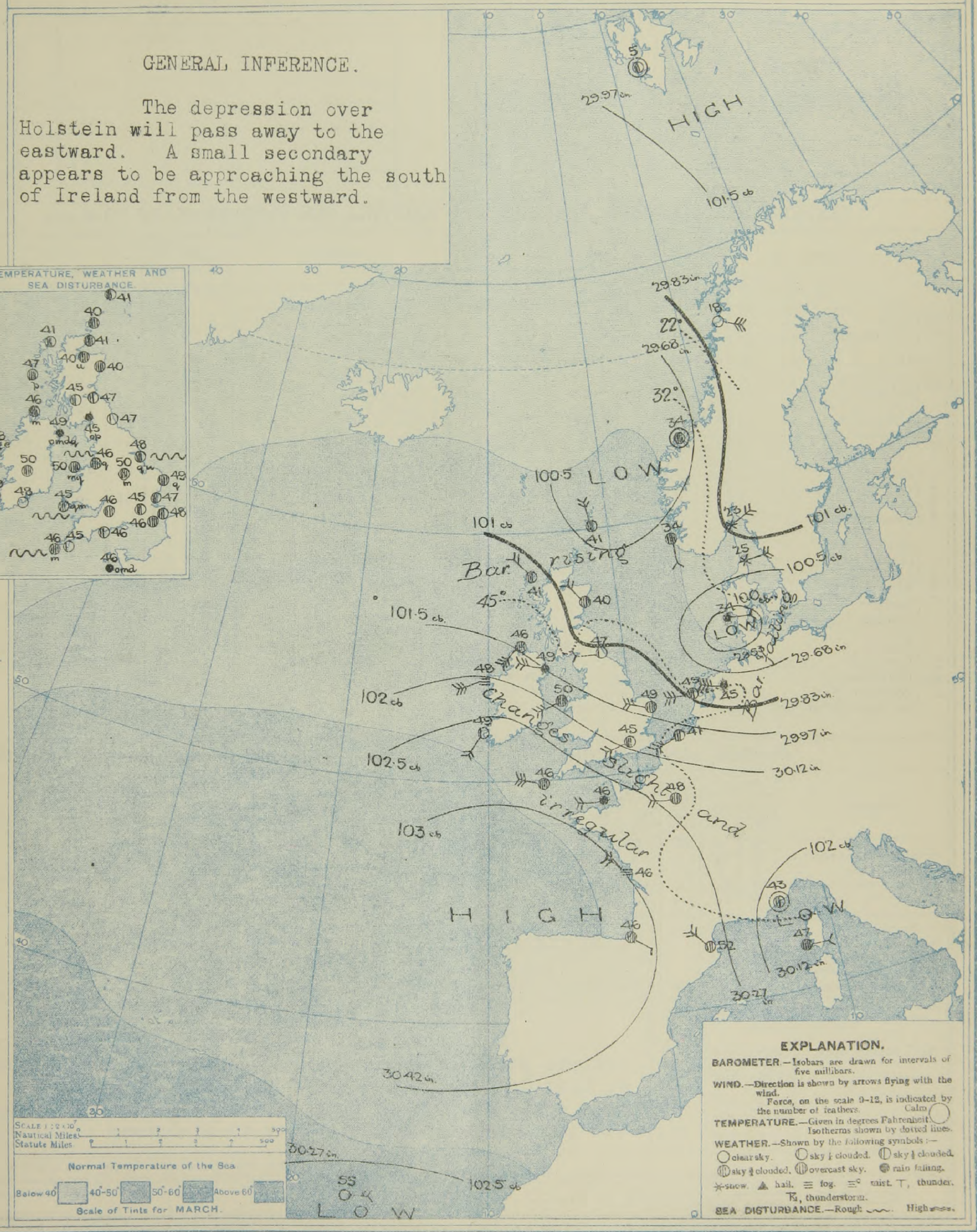
0 a, b, 1	Light North-Westerly to Westerly winds; fair generally, frost inland to-night.
2 a, b, 3, 4 a, b, 5	Freshening Westerly to South-Westerly winds; fair to-day, some showers to-morrow; temperature remaining above the normal.
6 a, b	Moderate Westerly to South-Westerly winds; mild, changeable, some showers.
7 a, b, 8 a, b	Strong South-Westerly winds; fair at first, some rain later; continuing mild.
9 a, b, 10 a, b	Freshening Southerly and South-Westerly winds; dull, misty, some rain; continuing mild.
Western Channel and Bay 11	Fresh North-Westerly to South-Westerly winds, and a rather rough sea; mild, dull, some showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 6TH MARCH, 1915.



DAILY WEATHER REPORT. Saturday, 6th March, 1915.

REPORTS FOR YESTERDAY.

5th March, 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd	1021.7	10	NE	3	m	1020.0	+1	7		NE	3	–	S	*	2	10	1
Biarritz	1026.4	51	NNW	3	tlr	1022.9	+1	48		NNE	1	*	0	2	3	52	46
Rome	1022.4	50	SW	1	b	1022.9	0	43		N	1	–	0	*	–	57	43
Horta	1018.1	60	S	3	0	1018.3	+2	60		SSW	4	*	T	4	2	64	59
Funchal	1023.9	63	NE	2	0	1025.3	0	55		NE	2	–	c	2	–	64	65

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall. mm.§	Temperature Max. °F.	Temperature Min. °F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
Scotland	Oban	3	49	44	or	o	0.0
	Banff						
	St. Andrews	–	54	48	*	*	3.2
Eng. N.E.	Harrogate	1	52	46	c.bc	bc.cpa	0.7
	Scarborough	*	53	48	o	o	0.0
	Skegness	0.3	57	43	o.bc	bc.o	4.3
Eng. N.W.	Morecambe	2	47	42	ogd	dgo	0.0
	Blackpool	1	47	39	cg.c	c.or.c	0.1
	Southport	–	50	45	o.c.bc.o	o.c	0.9
Midlands	Buxton	2	52	43	bc	bcr	3.6
	Leamington Spa	–	56	47	bc	bc	5.0
	Malvern						
	Ross-on-Wye	–	51	42	bc	bc.c	3.3
Wales	Rhyl	–	54	48	c	c	4.3
	Colwyn Bay	–	54	46	c.bc.b	b.bc.c.o	1.0
	Llandudno	–	52	50	c	bc	1.7
	Aberystwyth	1	47	45	r.o.c	c.o	0.0
	Tenby	1	50	45	bc.o	bc.o	0.0
	Swansea	2	49	46	d	d	0.0
England, E.	Cromer	1	51	47	o.c.bc	bc.o.cp	3.8
	Lowestoft	–	56	47	c.bc	bc.c.o	5.4
	Felixstowe	–	54	44	c	bc.c	1.9
	Walton-on-Naze	–	55	42	c.bc.c	b.bc	3.2
	Southend-on-Sea	–	53	43	o.c.bc	c.bc	1.6

	STATIONS.	Rainfall. mm §.	Temperature Max. °F.	Temperature Min. °F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	–	53	44	o	o	0.1
	Margate	–	53	46	c	c.bc	0.5
	Ramsgate	–	55	44	o	bc	2.4
	Folkestone	–	51	43	o.bc	bc	1.9
	Hastings	–	50	44	o	c.o	0.0
	Bexhill-on-Sea	–	48	43	o	o	0.0
	Eastbourne	–	49	45	o.c	o.c	0.1
	Seaford	–	48	43	c	c	0.2
	Brighton	0.3	47	44	o	o	0.0
	Worthing	–	49	44	c	bc	0.2
	Littlehampton						
	Bognor	–	51	44	o.bc	o	0.7
	Southsea						
	Bournemouth	–	52	45	o	o	0.0
England, S.W.	Weymouth	–	51	46	o.c	c.bc.o	0.2
	Torquay	–	53	48	o	c.bc	1.4
	Paignton	–	54	48	c	c	0.6
	Falmouth	Trace	56	46	or.o	o.od	0.0
	Penzance	2	53	48	omf	om.c	0.6
	Newquay	1	50	46	opdm	op.dfo	0.0
	Ilfracombe	1	52	46	ome	om.f.o	0.0
	Weston-super-Mare	–	52	44	o.bc	b.bc.o	1.8

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday. %	Humidity 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature (24 hours ended 9 a.m. To-day.) In Screen Max. °F.	In Screen Min. °F.	Min. on Grass. °F.	Rainfall. mm.§	Weather Forenoon.	Weather Afternoon.	Weather Night.
Greenwich (Royal Obsy.)	76	84	1.6	55	45	38	–	bc	bc	bc.b
City (Bunhill Row)	*	*	2.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	73	85	1.9	54	45	39	–	o.bc.c.o	bc	bc.o.u.d
Camden Sq. (Brit. Rainfall)	75	85	1.7	55	44	39	–	o.bc	bc.o	*
Hampstead (Reservoir)	*	88	0.5	52	41	33	–	c.o	bc	o
Richmond Park	*	*	0.0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	74	84	1.0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
384 Joules	9.6 Milliwatts.	36 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall. mm §	Temperature In Screen Max. °F.	Temperature In Screen Min. °F.	Temperature Night Min. on Grass. F.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	–	56	50	48	c	cpd	c.b	*
Darwen to 9 p.m.	2	49	45	43	ou.r	ou	ou.r	0.0
Manchester ,,				*				
Birmingham ,,	–	55	47	43	*	c	c.b.c	4.0
Oxford to 9 p.m.	*							*
Teignmouth to 9 p.m.	–	56	48	45	bc	c.bc	bc	1.1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	54	48	43	o	o.c.o	o.c.oq	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

6th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.32 / 6.29	12.5 / 12.2	5.38 / 5.39
Greenwich	6.38 / 6.35	12.12 / 12.11	5.46 / 5.47
Wick	6.37 / 6.54	12.24 / 12.23	5.50 / 5.52
Valencia	7.20 / 7.17	12.53 / 12.52	6.26 / 6.28

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 55° and upwards in several parts of England and Ireland, and reached 59° at Birr Castle. The amount of bright sunshine was, as a rule, small, and rain fell at many of our western and northern stations, heavily at Stornoway.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 66 (Sunday, 17th March 1915.)

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1010.6	40	NNW	4	cm	1015.7	+7	40	-1	N	6	-	o	5	8	43	34	cm	cm	cpq	*
	Deerness ...	1013.2	38	NW	6	bcp	1016.6	*	39	-1	N	6	NE	cp	4	2	44	36	o.c	bcp	bc.b.bcp	3.0
	Stornoway ...	1019.9	44	NNW	5	oq	1020.7	+1	40	-1	N	4	N	c	4	1	46	39	cp.bc	bc.c.oq	bc.cp	4.7
	Castlebay (Barra Isd.)	1021.1	43	NW	3	c	1022.0	0	41	-6	NW	3	-	op	3	0.3	47	40	of.bc	c	op.b.op	5.7
	Glasgow ...	1017.7	45	WNW	2	bc	1018.5	0	38	-7	W	3	NW	bc	*	-	53	36	bc.c.o.c	b.o.bc.c	bc.b.bc	2.5
	Eskdalemuir ...	1017.4	43	-	0	o	1017.8	-1	34	-11	NW	4	NW	bc	*	2	50	34	op.c	c.op.o	op.o.c	1.5
	Malin Head ...	1021.3	45	WNW	4	cm	1022.0	-1	42	-4	NW	4	-	opq	5	2	48	41	cmpq	cmp	ov	2.3
	Blacksod Point	1025.3	46	WNW	4	cm	1025.0	0	45	-3	WNW	2	NW	fc	2	-	49	43	cm	cm	cm	*
	Valencia ...	1027.7	48	WNW	2	m	1026.1	-1	44	-5	WNW	1	-	om	4	1	51	45	bcm	cmd	omd	0.3
	Roche's Point	1026.3	50	NNW	3	o	1025.6	*	48	0	NW	4	NW	c	3	0.1	56	47	bc.cq	oq	o.bc	*
	Birr Castle ...	1024.1	49	NNW	3	o	1024.1	*	44	-6	NW	1	-	r	*	1	53	43	o	c.o	o.or	1.3
	Donaghadee ...	1018.8	46	NW	6	cmq	1020.5	+1	42	-7	NW	4	NW	cg	3	1	49	41	cpq	cmq	cgq	*
	Liverpool (Bidston)	1019.3	44	W	4	o	1018.8	-1	40	-6	WNW	4	W	c	4	1	48	40	orq	c.o	bc	0.3
	Holyhead ...	1020.3	47	NW	6	cmq	1020.5	0	43	-7	N	6	-	ogq	5	0.2	51	42	c.opqm	o.a.cqm	om	0.0
	Pembroke (St. Ann's)	1022.9	47	W	3	bc	1021.2	+2	44	-1	NNW	5	NW	cgq	4	0.2	50	44	cgm	cgq	bc	0.6
	Scilly (St. Mary's)	1025.7	48	WNW	6	om	1023.6	-2	46	0	NW	4	NW	ofc	5	0.1	50	45	om	om	om.fc	2.9
	Falmouth ...	1024.6	50	WNW	3	o	1022.4	-2	46	+1	NW	3	-	o	1	-	56	46	o	b.bc.c.o	o	6.8
	Jersey (St. Aubin)	1023.3	48	W	5	om	1019.6	*	47	+1	W	4	-	b	3	Trace	50	45	omd.c.o	o	o	0.8
	Portland Bill ...	1018.4	50	WNW	5	c	1018.5	-3	46	0	WNW	4	NW	ow	3	-	51	45	bc.c	c	bc.c.o	*
	Dungeness ...	1014.8	51	NW	4	cq	1014.8	-3	43	-3	NW	1	-	o	2	2	53	42	o.c.o	o.cnq	b.bc.o	*
	Dover	1014.7	49	NW	6	bc	1014.9	-1	41	-7	NW	3	-	o	2	1	53	40	o.c	cp.bc	c.op.o	0.5
	Wick	1014.7	38	NW	3	o	1016.3	+4	41	0	NNW	4	-	oq	4	2	45	36	ompd.c	c.ompq	bc.omq	*
	Nairn	1017.7	42	WNW	3	cg	1018.4	*	39	-1	WNW	4	-	oqw	4	1	46	36	bcp.c	p.cr.c	cpq	1.6
	Aberdeen ...	1015.8	42	NW	4	c	1014.5	0	39	-1	NW	5	-	bcpq	3	1	46	37	op.c	bc.c	cpq	1.8
	Leith	1016.0	49	NNW	1	bc	1016.9	0	39	-8	W	2	N	bc	*	1	51	39	c.or.c	c.bc.c	c.bc	*
	Tynemouth ...	1016.1	43	NNW	2	bc	1015.2	-1	38	-9	NW	3	-	bc	3	-	52	37	cp	c	bc	*
	Spurn Head ...	1015.3	49	W	7	r	1015.7	-1	40	-8	NNW	5	-	bc	2	3	49	40	or	orq	cq	1.6
	Yarmouth ...	1014.3	44	NW	3	omr	1014.0	-3	40	-9	NW	2	NW	or	1	6	52	39	omd	omr	bc.or	0.5
	Clacton-on-Sea	1013.3	51	WNW	4	o	1013.7	-1	41	-6	WNW	3	NW	og	2	1	54	40	c.o.c	cp.o	ogp.og	0.9
	Nottingham ...	1017.2	49	NW	5	o	1016.3	*	43	-7	NNW	3	NW	c	*	0.2	55	42	omd.c	cp	op	2.0
	Bath	1020.0	52	W	4	bc	1018.6	*	48	0	N	2	NW	o	*	-	54	45	g.o	o.c.bc	bc.c.o	0.0
	London (Kew Obsy.)	1016.7	50	NW	3	bc	1015.9	-2	44	-1	NW	3	NW	o	*	0.4	57	43	c.o	op.cup.bq	bc.op.o	0.6
ICELAND, FAEROE, &c.	Spitsbergen ...	1013.0	9	NE	2	o	1011.7	+1	5	0	N	1	*	s	*	*	3	-4				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1023.1	12	SW	7	o	1035.8	-2	9	-3	SW	7	-	o	5	*	14	9				
	Bodö	1015.3	14	E	4	c	1020.7	+3	10	-8	ENE	4	NE	b	2	-	18	9				
	Christiansund	1011.3	34	E	1	o	1014.4	+4	27	-7	NE	2	-	o	4	2	37	27				
	Skudesnaes ...	1009.3	32	SE	6	s	1009.2	+1	34	0	SE	3	-	c	3	-	34	32				
	Færder (X'tania Fjord)	1012.8	25	SE	3	o	1013.0	-2	23	0	ESE	4	-	o	2	?	25	21				
	The Scaw (Skagen)	1010.9	28	E	2	o	1011.1	0	27	+2	E	2	-	s	2	1	28	25				
	Blaavands Huk	1009.0	30	E	2	s	1008.7	-3	28	-6	ESE	1	-	o	1	Trace	36	27				
	Haparanda ...	1024.6	3	E	2	o	1027.3	+2	5	+7	E	2	-	s	*	Trace	5	-2				
	Hernösand ...	1019.1	10	NNE	2	o	1021.5	+3	10	+7	N	4	-	s	*	3	12	3				
	Stockholm ...	1014.7	16	E	2	o	1015.5	+1	16	0	N	2	-	s	*	1	19	14				
	Wisby	1012.8	23	ENE	2	o	1012.6	0	27	+6	E	4	-	s	*	1	27	16				
	Karlstad	1014.1	19	E	2	s	1016.3	+3	16	0	ENE	4	-	s	*	1	23	14				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1009.6	41	NNW	4	c	1003.7	-3	41	-4	NNW	3	-	c	5	1	46	39				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014.1	48	WNW	6	c	1014.3	-3	43	-3	WNW	4	*	o	4	1	48	41				
	La Hève	1019.8	46	WNW	5	o	1016.8	*	41	-4	NW	3	*	o	3	-	55	38				
	Ushant	1026.0	48	NW	4	f	1023.5	*	48		N	4	*	o	3	-	52	45				
	Brest (St. Mathieu)	1027.7	46	NNW	3	o	1023.8	-2	48	+2	NNW	4	*	o	5	-	52	46				
	Rochefort (Ile d'Aix)	1026.4	47	W	5	f	1022.7	-2	47	+1	W	4	*	o	*	-	52	45				
	Biarritz	1028.6	51	NE	1	b	1024.7	0	50	+4	WSW	3	*	o	2	-	54	46				
	Paris	1017.6	52	NW	4	o	1015.9	-2	46	-2	S	2	-	o	*	Trace	59	48				
	Belfort							*					*		*							
	Lyons	1022.9	46	S	1	b	1017.2	*	45	0	NW	4	*	o	*	-	55	42				
	Nice	1010.9	46	-	0	f	1003.5	-3	54	+11	WSW	4	*	b	3	-	61	41				
	Perpignan ..	1023.7	54	NE	1	bc	1018.9	-2	48	-4	WNW	5	-	o	*	-	66	46				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1028.7	54	NNE	6	bc	1026.3	-1	46	+3	SE	2	-	f	3	-	57	34				
	Madrid (8 a.m.)	1022.3	66	-	0	b	1027.8	0	45		NNE	1	-	b	*	-	66	41				
	Lisbon (8 a.m.)	1023.7	65	NNW	4	b	1021.0	0	57	+2	N	2	-	b	5	-	69	55				
	Gibraltar							*					*									
	Rome	1011.3	50	SW	1	o	1004.6	+5	46		N	1	-	o	*	-	57	45				
	Azores (Horta, 8 a.m.)	1010.3	61	S	7	f	1010.7	+2	59	-1	SW	4	*	f	5	7	63	59				
	Madeira (Funchal)	1021.6	66	E	3	b	1022.9	0	55	0	E	3	-	b	3	-	72	55				

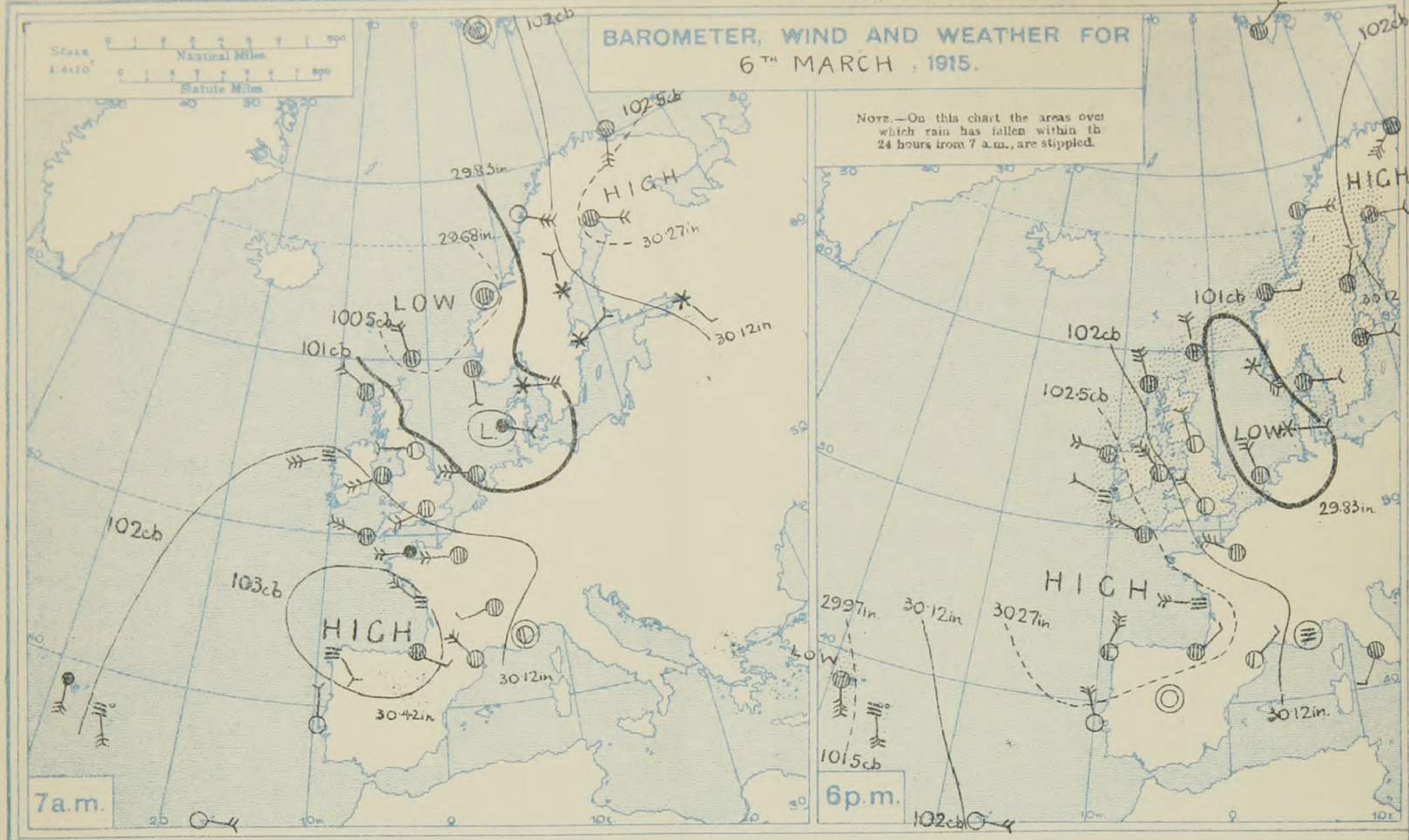
GALES.

Duration and Extreme Force in British Islands.

Aberdeen.
7th 6am gust WNW 19mps (8)

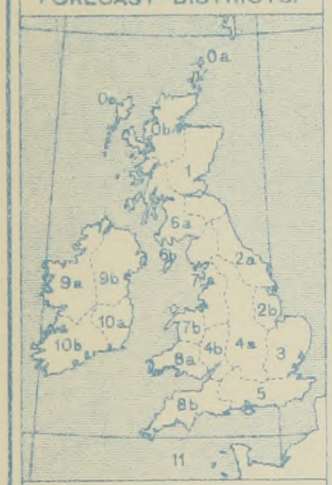
Nottingham
6th Noon NW 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

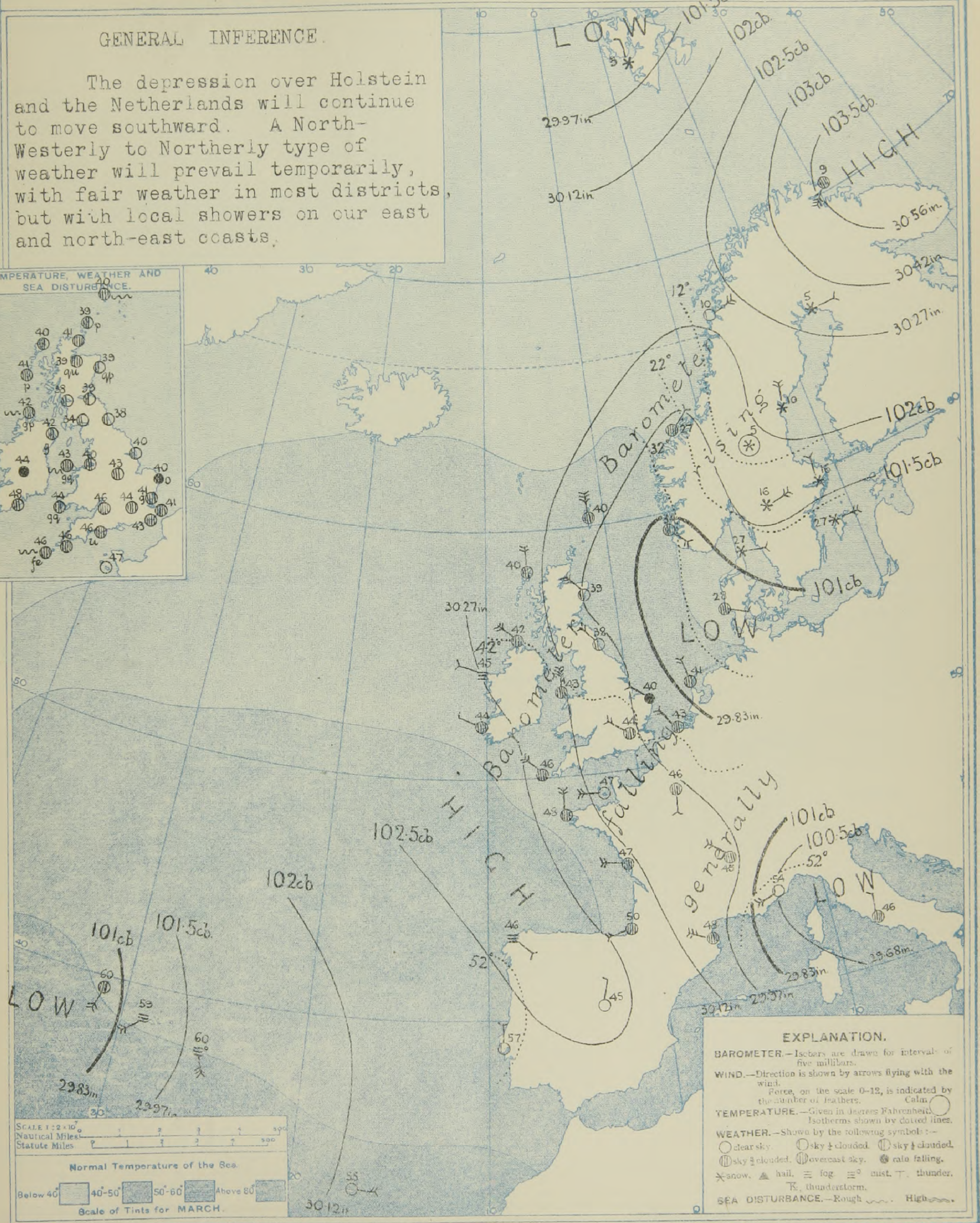
No Warnings Issued.

0 a, b; 1; 2 a, b	Northerly and North-Westerly winds, fresh or strong in places; cold, local showers.
3; 4 a, b; 5	North-Westerly winds, moderate; fair generally, but slight showers locally; becoming colder.
6 a, b; 7 a, b; 8 a, b	North-Westerly winds, light or moderate; fair, cold.
9 a, b; 10 a, b	Light North-Westerly winds, backing later; fair; cold.
Western Channel and Bay 11	Light or moderate Westerly and North-Westerly winds and a moderate or rather rough sea; fair in places, but chiefly misty or foggy; becoming colder.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 7TH MARCH, 1915.



DAILY WEATHER REPORT. Sunday, 7th March 1915.

REPORTS FOR YESTERDAY.

6th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Vardö	1028·3	14	WNW	6	o	1024·3	-3	12	-2	SSW	6	-	o	4	*	16	10
Haparanda	1028·0	-4	NE	2	b	1025·2	o	-2	-7	ESE	4	*	o	*	-	9	-9
Hernösand	1023·4	1	-	o	b	1019·7	o	3	+2	N	2	-	S	*	-	7	-6
Stockholm	1016·2	14	E	2	S	1015·0	-2	16	+6	ENE	2	-	S	*	Trace	18	12
Wisby	1017·2	21	ENE	2	o	1012·6	-2	21	-4	E	4	-	S	*	Trace	27	19
Karlstad	1017·9	19	E	2	o	1013·1	o	16	-2	E	2	-	S	*	-	19	14
Petrograd	1020·8	12	ENE	2	S	1020·2	+1	9	+2	SSE	1	-	S	*	-	12	7
Lyons	1029·5	48	N	1	b	1027·9	*	45		WSW	1	*	o	*	-	55	42
Coruña	1031·7	54	NNE	4	bc	1031·7	-1	43	-3	SE	2	-	f	1	-	55	41
Lisbon	1026·0	68	NNE	3	b	1027·3	+2	55		N	2	-	b	5	-	68	54
Horta	1018·5	62	S	5	o	1015·9	0	60	0	S	5	*	r	5	16	64	59

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	Banff	14	49	40	c.o.c	c.bc.p.c	1·9
	St. Andrews				*	*	
Eng. N.E.	Harrogate	2	50	42	o.p.c	c.o.p.	0·2
	Scarborough	*					
	Skegness	2	54	41	o.p	o.p	0·4
Eng. N.W.	Morecambe						
	Blackpool	-	47	45	o.g	c	0·8
	Southport	4	47	44	o	o.bc.o	2·1
Midlands.	Buxton	12	52	43	cr	cr	0·0
	Leamington Spa	-	56	46	bc.c	bc.c	3·6
	Malvern						
	Ross-on-Wye	-	57	48	c.bc	bc.c	1·8
Wales.	Rhyl						
	Colwyn Bay						
	Llandudno						
	Aberystwyth	1	47	44	r.o	c.o	0·0
	Tenby	0·3	54	44	bc.o		1·5
	Swansea	-	50	45	c.bc	bc	1·2
England, E.	Cromer	1	50	41	o.c	o.cr.o.c	0·0
	Lowestoft						
	Felixstowe	1	53	48	o.d	c.p.q.	0·6
	Walton-on-Naze	1	53	45	o.c.p	c.p.u	0·5
	Southend-on-Sea	0·3	55	43	o	o.c.p.bc	1·0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	0·3	55	44	o	o.c.p.bc	0·7
	Margate	-	53	46	c	c.p	1·0
	Ramsgate	-	50	44	o	cr.bc	?
	Folkestone	1	53	42	o	o.bc	0·0
	Hastings	1	54	44	o	bc.o.p	0·4
	Bexhill-on-Sea	-	54	43	o	o.c.cr	0·3
	Eastbourne	-	50	45	o	o.q	0·0
	Seaford	-	48	44	o	c	0·3
	Brighton	-	55	45	o	o.c.o	0·5
	Worthing	-	54	43	bc	c	0·1
	Littlehampton	-	54	*	c.bc.c	c.bc.c	0·4
	Bognor	-	54	?	o	c	3·0
	Southsea						
	Bournemouth	-	55	44	c.o	o	1·6
England, S.W.	Weymouth	-	55	45	bc.c	c.bc	3·0
	Torquay						
	Paignton	-	60	45	bc	bc	4·6
	Falmouth	Trace	56	45	b	b.bc.c.d	6·8
	Penzance	0·3	56	46	b	bc	8·1
	Newquay	-	50	45	cm.b.	b.bcm	4·0
	Ilfracombe	-	50	44	bc.c	c	1·5
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	68	75	1·5	58	43	40	-	o.p	c.o.p	o.p
City (Bunhill Row)	*	*	1·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	74	1·7	58	44	41	-	o.d	bc.o	bc.o
Camden Sq. (Brit. Rainfall)	76	80	1·5	58	43	39	-	o.c	c.bc	*
Hampstead (Reservoir)	*	84	1·5	53	40	32	-	c.o.p	o	o
Richmond Park	*	*	1·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	66	76	1·1							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
398 Joules	9·9 Milliwatts.	34 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	1	53	48	46	c.o.p	o.p.c	c	*
Darwen to 9 p.m.	14	46	42	43	our	our	our	0·0
Manchester "	1	49	46	*	or	or	or	0·0
Birmingham "	-	53	46	44	*	c	c	3·3
Oxford to 9 p.m.	*	56	45	37	c.b.bc	c.o	o.or.o	*
Teignmouth to 9pm.								
Plymouth "	-	56	45	-	o	c.b	c.b.	5·3
S. Kensington (Museum Grounds to 6 p.m.)	-	57	45	39	bc.c.b	c.o.bc	bc.o.	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

7th March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6 29 / 6 28	12.14 / 12.14	5 59 / 5 41
Greenwich	6 35 / 6 33	12.11 / 12.11	5 47 / 5 49
Wick	6 54 / 6 51	12.23 / 12.23	5.52 / 5.54
Valencia	7 7 / 7 16	12.51 / 12.52	6.28 / 6.30

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 50° and 55° in most parts of the United Kingdom, and touched 57° at Kew and Ross-on-Wye. The amount of bright sunshine was generally small and showers fell in nearly all districts.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 67

Monday, 8th March 1915.

Date.	Stations.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 hours: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
British Islands.	Lerwick ...	1023.6	39	NNE	6	bcq	1029.8	+2	39	-1	NE	4	NE	bc	4	1	41	35	chp	bchpq	bcq bc	*
	Deerness ...	1023.7	38	NNE	5	b	1030.5	*	37	-2	NNE	5	NE	bc	3	Trace	42	36	cp.c	c.bc.b	b bc	2.8
	Stornoway ...	1027.5	40	NE	4	c	1032.0	+1	35	-5	NE	2	NE	bc	2	1	46	34	bc	bc.c	c b bc	3.9
	Castlebay (Barra Isd.)	1026.3	43	N	3	b	1031.6	+2	39	-2	N	3	N	cp	3	–	46	38	cp.bc	c.b	bcp	8.2
	Glasgow ...	1023.3	40	NNE	3	b	1029.5	?	37	-1	NNE	2	NE	b	*	–	47	34	bc.b.bc	bc	b bc c	7.1
	Eskdalemuir ...	1021.3	36	NNE	6	bc	1028.3	+5	32	-2	N	4	–	os	*	1	42	32	bc.c	cpq.bc	bc.os	2.7
	Malin Head ...	1024.5	42	N	4	bc	1030.5	+3	39	-3	NE	3	–	bc	4	1	46	38	bc	bc	bc	4.9
	Blacksod Point	1025.4	41	ENE	3	bcr	1030.6	+3	36	-9	ENE	2	E	bc	2	3	46	37	fe	fe	bc	*
	Valencia ...	1023.3	47	NW	2	c	1028.1	+3	37	-7	–	0	–	b	3	–	48	34	om	cm	cm bcm	1.1
	Roche's Point	1023.3	47	N	2	r	1028.7	*	35	-13	NNE	1	–	b	1	2	51	35	c	org	bc	*
	Birr Castle ...	1024.1	42	N	1	o	1029.9	*	28	-16	N	1	–	b	*	1	47	27	om.o	cm	bc	0.0
	Donaghadee ...	1021.6	43	N	4	bc	1028.5	+2	40	-2	NE	5	NE	bcq	4	1	45	39	bcq	bc	bcqp	*
	Liverpool (Bidston)	1020.1	41	N	3	bc	1025.5	+3	36	-4	N	3	–	c	2	–	44	36	o.c	bc	bc.	3.9
	Holyhead ...	1021.9	44	N	5	bc	1026.1	+2	40	-3	NE	6	NE	bcq	6	–	46	39	o	oc.bcb	bc b bc	3.5
	Pembroke (St. Ann's)	1021.2	43	N	4	c	1025.5	+3	37	-7	NE	3	NE	c	3	–	47	37	cpq	cq	cq	1.7
	Scilly (St. Mary's)	1021.4	46	N	3	om	1028.4	+1	42	-4	ENE	5	NE	bc	5	2	51	42	cm	cm	om c bc	0.9
	Falmouth ...	1020.5	44	N	3	o	1028.6	+4	37	-9	NNE	3	–	bc	2	–	50	36	oc.bc	c	c bc bc	4.0
	Jersey (St. Aubin)	1017.1	46	NW	3	o	1018.2	*	40	-7	N	5	–	cq	3	–	51	39	cp.c.o	o	bc.cq	3.0
	Portland Bill ...	1016.6	45	NW	4	c	1019.1	+2	35	-11	N	4	N	bc	4	–	48	35	c	c.bc	c bc	*
	Dungeness ...	1012.1	44	NNW	4	c	1016.1	+3	36	-7	ENE	6	NE	cqsp	5	–	46	35	o.bc	bc	bc.ops	*
	Dover ...	1011.8	40	NNW	5	c	1017.6	+4	36	-5	NE	6	NE	o	6	4	47	32	odr.bc	bc.c	c.oprs	2.3
	Wick ...	1024.2	39	NNE	4	r	1029.9	+2	39	-2	NNE	4	–	bc	5	1	42	36	cqp	omqp	oqp bc	*
	Nairn ...	1025.1	38	N	3	bc	1030.4	*	37	-2	N	2	–	bc	3	1	43	36	cqp	cqp	bcx	1.6
	Aberdeen ...	1022.3	38	N	5	chq	1028.8	+3	37	-2	N	3	–	o	4	2	44	35	c.ohpq	bchpq	chqp.o	2.0
	Leith ...	1021.4	41	N	2	o	1028.3	+2	39	0	N	3	–	o	*	–	45	37	c.o	o.s.o	o.c	*
	Tynemouth ...	1017.5	39	NNW	4	bcq	1025.0	+6	39	+1	NE	3	N	cp	6	1	48	35	cmp	ompq	cp	*
	Spurn Head ...	1014.7	38	NNW	8	r	1022.2	+4	37	-3	NE	7	–	ogfs	7	7	45	34	cqp	cqp	org	4.8
	Yarmouth ...	1012.2	40	NW	3	bc	1020.1	+5	37	-3	NE	5	NE	cq	3	2	45	35	or.cqm	bc	oqps.c	3.7
	Clacton-on-Sea	1011.4	43	NW	4	bc	1018.0	+5	35	-6	NE	4	NE	og	3	4	46	34	orh.bc	bc.c.bc	bc.ofh.	2.7
	Nottingham ...	1017.3	41	N	4	b	1023.2	*	35	-8	NNE	3	NE	c	*	Trace	47	34	c.o	c.b	bc	2.3
	Bath ...	1017.9	47	N	3	b	1022.1	*	35	-11	NNE	5	E	bc	*	–	49	35	o.c.bc	c.o	o.c.bc.b	2.0
	London (Kew Obsy.)	1015.1	43	N	3	ou	1020.1	+6	36	-8	NNE	4	N	om	*	1	47	35	o.cyup	bc.co	ouro.bc.b	1.2
Iceland, Faeroe, &c.	Spitsbergen ...	1013.0	1	E	4	o	1012.6	-1	-20	-25	SE	3	*	b	*	*	5	-29				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	1019.9	9	SW	6	c	1014.3	-2	14	+5	SW	7	–	o	5	*	14	7				
	Bodö ...	1026.6	14	E	4	o	1022.7	-5	23	+13	ESE	4	–	c	2	–	23	10				
	Christiansund	1024.0	25	NNE	2	b	1029.2	+1	23	-4	–	0	–	b	4	–	27	23				
	Skudesnaes ..	1016.7	30	SE	3	s	1028.6	+3	28	-6	–	0	–	o	2	?	34	28				
	Færder (X'tiania Fjord)	1021.9	21	NE	6	b	1030.0	+3	19	-4	NE	4	–	o	2	Trace	23	18				
	The Scaw (Skagen)	1015.7	27	ENE	4	o	1027.5	+6	23	-4	ENE	4	E	c	3	1	28	23				
	Blaavands Huk	1012.0	30	ENE	3	o	1023.3	+5	27	-1	NE	3	–	c	4	Trace	30	25				
	Haparanda ...	1029.3	-4	NE	2	bc	1027.1	-1	-17	-22	ESE	2	–	c	*	–	7	-17				
	Hernösand ...	1028.2	5	N	4	bc	1028.7	+1	-2	-12	–	0	–	b	*	2	12	-2				
	Stockholm ...	1024.2	19	ESE	2	o	1025.9	+3	16	0	N	2	–	s	*	1	25	16				
	Wisby ...	1012.8	23	ENE	2	o	1024.6	+4	21	-6	ESE	2	–	s	*	Trace	30	21				
	Karlstad ...	1024.9	16	NE	4	bc	1030.7	+4	10	-6	N	2	–	b	*	–	21	5				
	Petrograd (6 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1009.0	37	NE	5	o	1018.4	+6	34	-7	ENE	6	–	s	5	1	41	34				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...												*									
	La Hève ...							*					*									
	Ushant ...							*					*									
	Brest (St. Mathieu)	1020.6	50	N	3	o	1021.0	0	43	-5	N	4	*	c	5	–	54	41				
	Rochefort (Ile d Aix)	1017.0	48	WNW	5	c	1015.9	0	41	-6	N	5	*	c	*	–	50	41				
	Biarritz ...												*									
	Paris ...	1012.0	39	N	3	b	1012.2	+2	36	-10	NNE	3	–	o	*	2	48	36				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...												*									
	Perpignan ...	1011.9	54	NW	4	bc	1009.9	+5	41	-7	WNW	3	W	bc	*	1	66	39				
	Sanguinaire ...	1000.7	59	W	3	m	994.6	*	51		NW	6	*	o	6	–	59	45				
Southern Europe.	Corunna (7 a.m.)	1022.7	54	NNE	4	bc	1021.2	+1	46	0	NE	1	–	o	2	–	54	41				
	Madrid (3 a.m.)														*							
	Lisbon (9 a.m.)	1017.2	63	NNW	4	b	1014.7	-1	50	-7	NW	2	–	b	5	–	72	50				
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1013.1	*	SSW	4	f							*									
	Madeira (Funchal)	1021.2	63	E	3	o	1022.1	?	55	0	?	?	M	bc	?	–	66	55				

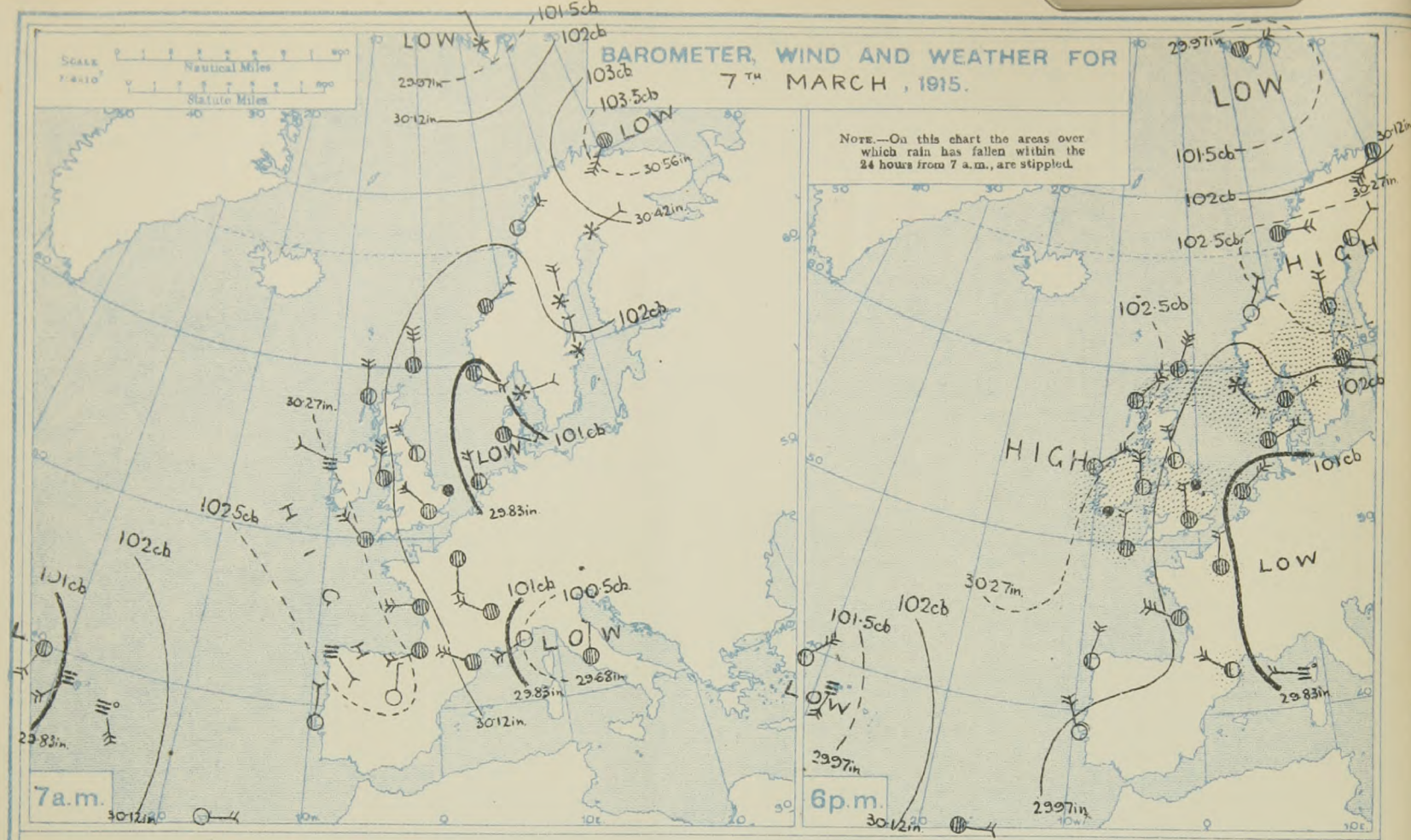
GALES.

Duration and Extreme Force in British Islands.

Dover
Gusts NE 23 mps

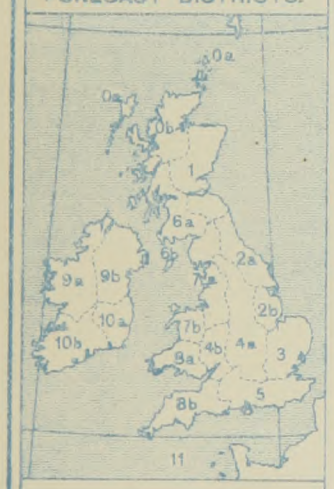
Spurn Head
7th ? 1 p.m. - 8th 7 a.m.
Squalls force 8

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

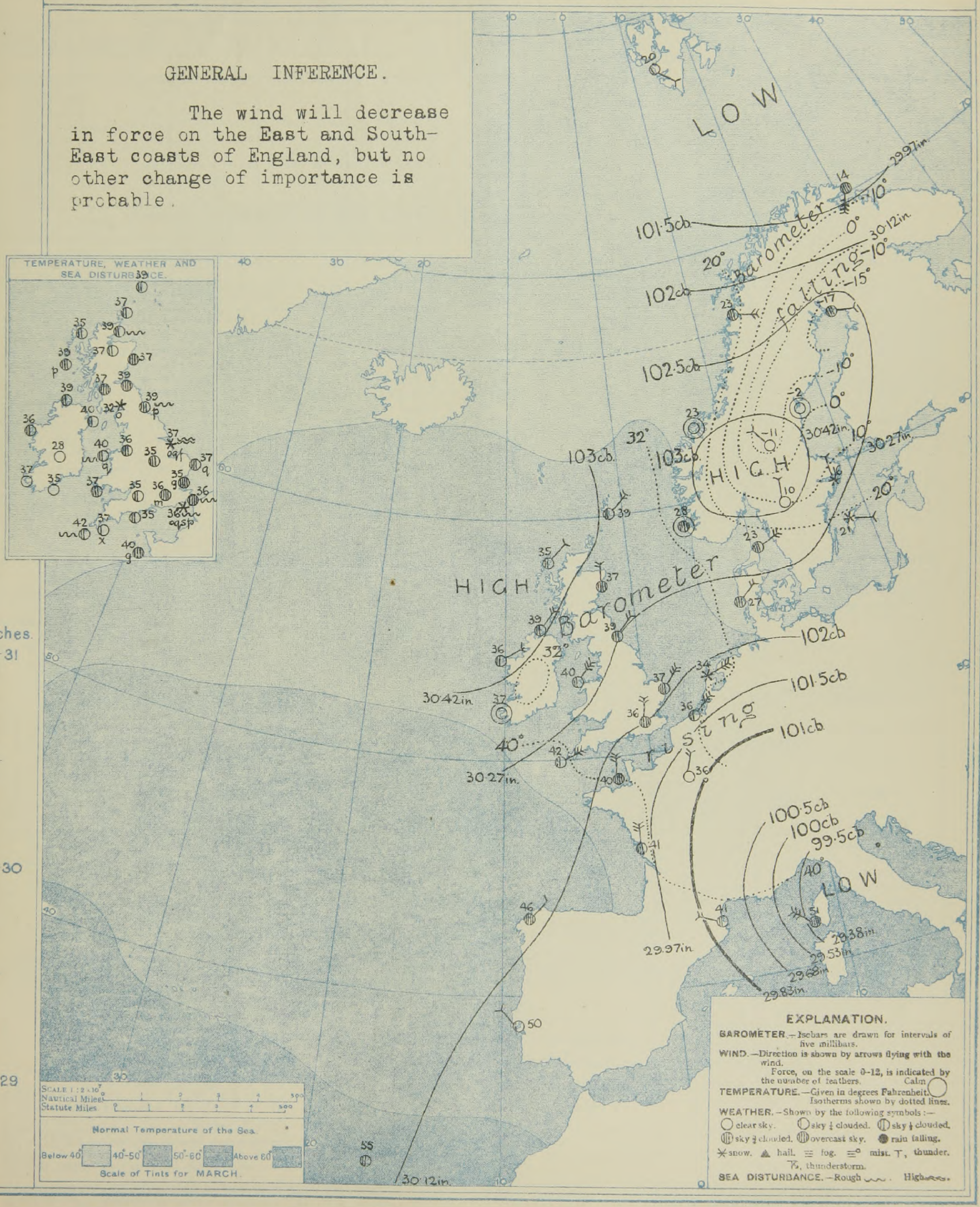
0 a, b; 1	Wind mainly North-Easterly, light or moderate; weather mostly fair, but overcast, with slight sleet or snow showers occasionally; temperature low.
2 a, b; 3; 4 a, b; 5	Wind mainly North-Easterly, decreasing in force; weather mostly fair, but overcast, with slight sleet or snow showers occasionally; temperature low.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b; 9 a, b; 10 a, b	Wind mainly North-Easterly, light or moderate; mostly fair; cold.
Western Channel and Bay 11	North-Easterly and Northerly winds, fresh to moderate; sea rather rough or moderate; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 8 MARCH, 1915.



PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

Station Date & Hour	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
	Eskdalemuir 1st. 1pm.		S. Farnborough 1st 3pm.		S. Farnborough 2nd 8.40am.		Eskdalemuir 2nd 1pm.		S. Farnborough 4th 8.30am.									
Heights in Kilometres. 3	+7	-13							+7	+2								
2	+7	-15			+11	-5			+9	0								
1	+4	-9	+12	-11	+8	-7	+8	-3	+7	-4								
0.5	+5	-6	+8	-4	+9	-7	+5	0	+8	-2								
0	+4	-4	+9	-3	+3	0	+5	+2	+3	+2								

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	Banff						
	St. Andrews				*	*	
Eng., N.E.	Harrogate	1	44	37	bc.b.bc	cp.0	4.7
	Scarborough	*	44	37	0.c	c.b.	2.6
	Skegness	2	44	39	b.0	op.0	4.2
Eng., N.W.	Morecambe						
	Blackpool	-	46	40	bc.c	c	5.6
	Southport	-	45	40	0.bc	bc.c.0.c	4.5
Midlands.	Buxton	2	43	37	bc	bc	4.9
	Leamington Spa	-	47	42	c.bc	c.bc.c	3.0
	Malvern	-	43	42	bc	c	3.0
	Ross-on-Wye	-	48	43	bc	bc.c	1.6
Wales.	Rhyl	1	45	41			4.2
	Colwyn Bay	-	46	40	bc	bc.0	2.8
	Llandudno	0.3	48	44	b	bc	5.4
	Aberystwyth	1	44	42	r.0.c	c.bc.	2.0
	Tenby						
	Swansea	0.3	48	43	cpu	bc	1.9
England, E.	Cromer	0.3	42	38	b.bc.0.c	0.c.0.c	4.3
	Lowestoft						
	Felixstowe	2	46	38	cd	cqp	2.1
	Walton-on-Naze	5	44	38	cp.bc	cp.bc	2.6
	Southend-on-Sea	-	47	40	0.c.bc	b.bc.0.c	2.1

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	-	46	40	cqup	bc.0.c	1.1
	Margate	2	44	41	cmq	p	1.8
	Ramsgate	2	43	37	or	bc.0	2.2
	Folkestone	1	46	39	0.bc	bc.c	2.3
	Hastings	2	50	39	op	0.bc.b	1.5
	Bexhill-on-Sea	1	47	40	0	0	0.0
	Eastbourne	2	47	43	om	0.bcm.	0.6
	Seaford						
	Brighton	1	?	44	0	0.c.0.c.0	0.4
	Worthing	0.3	49	44	c	bc	1.8
	Littlehampton	-	50	*	c.bc.b	bc.b.bc	3.4
	Bognor	0.3	49	44	bc	b	2.6
	Southsea						
	Bournemouth	-	48	44	0	0	0.0
England, S.W.	Weymouth	-	49	45	0.c	c.bc	0.5
	Torquay	-	51	46	0	bc.c.0	1.8
	Paignton						
	Falmouth	-	50	44	0.c.bc	c	4.0
	Penzance						
	Newquay	-	47	44	c	bc.c	3.0
	Ilfracombe	-	47	43	bc.b	bc.c	2.0
	Weston-super-Mare	-	49	44	bc	b.bc.c	0.4

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	58	77	0.8	46	36	32	1	0	0	0.op
City (Bunhill Row)	*	*	1.6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	77	1.2	48	36	34	-	0	0	0.or
Camden Sq. (Brit. Rainfall)	-	80	2.0	49	35	33	1	-	-	*
Hampstead (Reservoir)	*	83	1.0	48	32	25	1	cz	bc	bcp.0
Richmond Park	*	*	1.2							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	-	79	1.4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
468 Joules	11.6 Milliwatts.	55 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	0.3	47	43	42	op	0	c.b	*
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "	-	47	39	38	*	0	c	2.7
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	-	51	43	44	c	c.bc	cq	2.2
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	0.4	48	41	40	0	op c	c.bc.op.c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

Mon. 9th March 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.26 / 6.24	12.14 / 12.14	5.41 / 5.43
Greenwich	6.33 / 6.31	12.11 / 12.11	5.49 / 5.51
Wick	6.51 / 6.49	12.23 / 12.23	5.54 / 5.56
Valencia	7.15 / 7.13	12.52 / 12.52	6.30 / 6.32

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° in most parts of the Kingdom. Several localities experienced showers of rain, and except in some parts of Scotland and the north of England bright sunshine was not very prevalent. Aurora was observed at Aberdeen and Deerness.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 68 — Tuesday, 9th March, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1031.6	39	NW	2	bc	1025.9	−2	42	+3	NW	3	–	om	3	1	43	37	c	bc	om.omd	*
	Deerness ...	1032.5	38	NW	3	c	1028.1	*	40	+3	W	3	NE	od	2	1	42	37	bc.b	b.bc.c	c.od	2.7
	Stornoway ...	1034.0	42	SW	1	c	1031.2	−1	36	+1	WSW	2	–	c	2	–	46	35	bc.c	c.bc.c	bc.c	2.9
	Castlebay (Barra Isd.)	10336	42	–	0	bc	1032.1	−1	42	+3	WSW	2	–	o	2	0.1	45	36	cp.b	bc	bc.b.o	8.0
	Glasgow ...	1032.9	39	E	1	c	1033.2	−1	33	−4	SW	1	NW	ozc	*	–	41	31	o.c.o	o.c	c.bc.bo	0.7
	Eskdalemuir ...	1032.9	35	NE	3	o	1033.6	0	27	−5	–	0	N	bc	*	0.1	39	26	os.c	c	o	1.1
	Malin Head ...	1033.2	40	ENE	2	bc	1033.1	0	36	−3	W	2	–	bcx	2	–	46	34	bc	bc	bcx	9.7
	Blacksod Point	1032.9	38	SE	1	b	1033.8	0	38	+2	SSE	2	S	b	1	–	46	35	bc	bc	bc	*
	Valencia ...	1031.5	44	NE	2	b	1033.8	0	33	−4	E	1	–	bc	3	–	47	32	bv	bv	bcx	9.0
	Roche's Point	1032.3	42	NE	1	o	1035.3	*	35	0	NE	1	–	b	1	0.3	46	34	b.c	bc.c.o	bc	*
	Birr Castle ...	1032.6	42	NE	1	c	1034.8	*	27	−1	E	1	–	m	*	–	45	27	bc	c	fz	5.2
	Donaghadee ...	1032.0	41	NE	4	cg	1033.3	+1	34	−6	W	2	–	cm	2	–	42	34	bcza	cg	cgm.cm	*
	Liverpool (Bidston)	1030.9	40	NNW	2	bc	1033.2	0	35	−1	–	0	–	b	1	–	43	34	bcm	bc	bcx	4.4
	Holyhead ...	1030.8	41	NE	3	b	1033.0	+1	34	−6	E	1	–	c	0	–	44	32	bc	bc	bcx	7.0
	Pembroke (St. Ann's)	1035.0	38	NNE	2	b	1032.5	+1	34	−3	ENE	1	–	bmx	1	–	43	33	c	c	b	3.3
	Scilly (St. Mary's)	1028.0	42	NE	4	c	1032.4	+2	40	−2	E	3	N	cmg	4	–	45	39	bc	bc	c.og.mg	7.0
	Falmouth ...	1028.4	41	NNE	3	bc	1033.0	+2	30	−7	NNE	1	–	bx	1	–	44	30	b.bc	bc	bc.b.bc	6.9
	Jersey (St. Aubin)	1023.4	41	NE	6	op	1028.5	*	38	−2	NE	4	NE	o	4	1	43	36	ors.c.o	op.c.o	op b o	5.2
	Portland Bill ...	1026.5	39	NE	5	bc	1031.1	+2	34	−1	N	4	N	o	4	–	44	33	bc	c.bc	bc.o	*
	Dungeness ...	1023.3	35	NE	7	caq	1027.7	+2	35	−1	NE	5	NE	cg	5	2	38	33	caq	caq	csq.bc	*
	Dover	1021.2	35	NNE	7	ops	1029.0	+2	33	−3	NNE	4	–	ops	4	2	39	32	b.ops.b	s.b.ops	ops	3.3
	Wick	1033.2	40	NW	1	c	1029.8	−1	38	−1	WNW	3	–	o	3	–	42	35	bc	bc	c.omg	*
	Nairn	1033.3	36	–	0	cm	1031.2	*	37	0	W	1	–	c	2	–	43	33	c.bc	bc	bcm	5.4
	Aberdeen ...	1032.7	38	N	2	b	1031.0	−1	36	−1	W	2	NW	o	2	–	42	32	o	c.bc.b	b.o	0.7
	Leith	1031.9	40	NE	1	o	1032.1	0	35	−4	WSW	2	–	cg	*	–	42	33	o	o	o	*
	Tynemouth ...	1030.4	39	N	3	cp	1031.8	0	34	−5	NW	2	–	c	3	3	42	34	bcp	bcp	c	*
	Spurn Head ...	1030.2	36	NE	4	bc	1031.3	0	35	−2	N	4	–	cx	5	–	42	32	bcq	bcq	bcq	4.9
	Yarmouth ...	1027.8	36	NE	6	oq/pb	1030.2	0	36	−1	NE	3	NE	o	2	1	39	33	bcq	bcq/pb	o	6.0
	Clacton-on-Sea	1028.3	36	NE	5	c	1028.9	+2	35	0	NNW	3	NE	c	2	2	39	34	opb.bc	bcp.o.c	c.o.c	4.9
	Nottingham ...	1029.4	35	NE	2	b	1031.9	*	33	−2	NNW	2	N	bcmx	*	1	43	31	cph.bc	bcps	bm	3.6
	Bath	1027.8	40	E	4	b	1032.5	*	29	−6	SE	1	NE	bc	*	–	43	28	c.o	o.c.bc.b	b bc c	2.5
	London (Kew Obsy.)	1027.6	38	NE	4	bcm	1030.8	+1	34	−2	N	2	–	om	*	0.2	41	34	opsq.bcm	bcm.caq.bcm	bc b bc c	4.4
ICELAND, FAEROE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE	Vardö	1011.8	18	–	0	b	1013.1	+1	23	+9	NNW	1	–	b	3	*	23	5				
	Bodö	1013.2	28	SSE	4	s	1017.5	+2	23	0	E	1	N	b	1	?	32	21				
	Christiansund	1023.4	32	SSW	4	o	1020.4	0	37	+14	NW	1	–	o	4	2	37	23				
	Skudesnaes ..	1029.7	28	ESE	2	o	1024.2	−2	32	+4	S	1	–	s	2	?	32	28				
	Færder (X'iania Fjord)	1028.6	23	WSW	2	bc	1021.5	−3	25	+6	WSW	2	NW	c	1	–	25	19				
	The Scaw (Skagen)	1029.0	21	NE	1	bc	1022.7	−3	25	+2	SW	2	–	b	2	–	25	19				
	Blaavands Huk	1029.0	25	ENE	2	b	1027.7	+1	27	0	W	2	–	o	1	–	30	18				
	Haparanda ...	1019.8	3	S	2	o	1018.1	+2	5	+22	NE	2	–	c	*	–	7	−17				
	Hernösand ...	1024.0	9	SE	2	bc	1018.0	0	16	+18	N	2	–	bc	*	Trace	18	−2				
	Stockholm ...	1026.7	18	W	2	o	1021.3	0	10	−6	SW	2	NW	b	*	Trace	19	9				
	Wisby	1026.4	19	NE	2	o	1023.4	−1	19	−2	WNW	4	–	o	*	–	23	19				
	Karlstad	1028.2	10	WNW	2	bc	1022.3	−3	9	−1	–	0	E	b	*	–	19	7				
	Petrograd (6 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1026.3	34	NE	6	o	1029.0	0	32	−2	NE	1	–	o	0	1	36	32				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1022.6	37	NNE	7	o	1027.8	+2	31		E	4	*	o	2	Trace	43	30				
	La Hève	1022.6	36	NE	4	o	1028.2	*	30	−7	NE	3	*	bc	2	2	41	30				
	Ushant	1026.6	45	NE	6	o	1029.2?	*	43		NNE	6	*	o	5	–	46	37				
	Brest (St. Mathieu)	1026.3	41	NNE	5	o	1030.4?	+2	39	−4	NE	3	*	o	3	–	48	37				
	Rochefort (Ile d'Aix)	1017.7	41	NNE	6	c	1023.4	+3	33	−8	NNE	5	*	o	*	–	48	32				
	Biarritz	1015.7	45	N	4	c	1019.8	+2	36		ENE	3	*	o	4	3	50	34				
	Paris	1018.1	32	NNE	5	o	1025.1	+4	28	−8	NE	4	–	o	*	1	36	27				
	Belfort							*					*		*							
	Lyons	1011.4	32	NNW	2	bc	1015.5	*	28		NNW	6	*	o	*	1	42	27				
	Nice	1001.0	42	W	4	o	1002.1	0	43		E	5	*	bc	6	–	54	36				
	Perpignan ...	1008.6	39	NW	3	bc	1011.5	+3	34	−7	WNW	6	NE	o	*	Trace	52	32				
	Sanguinaire ...	995.9	47	NW	4	o	997.2	*	45	−6	SE	4	*	o	5	–	67	39				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1020.8	52	NE	6	o	1025.5	+2	46	0	NE	5	–	o	3	?	54	45				
	Madrid (8 a.m.)	1010.3	54	N	2	c	1019.1	+3	36		NNE	2	–	bc	*	–	59	32				
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1022.0	*	SW	4	b							*									
	Madeira (Funchal)																					

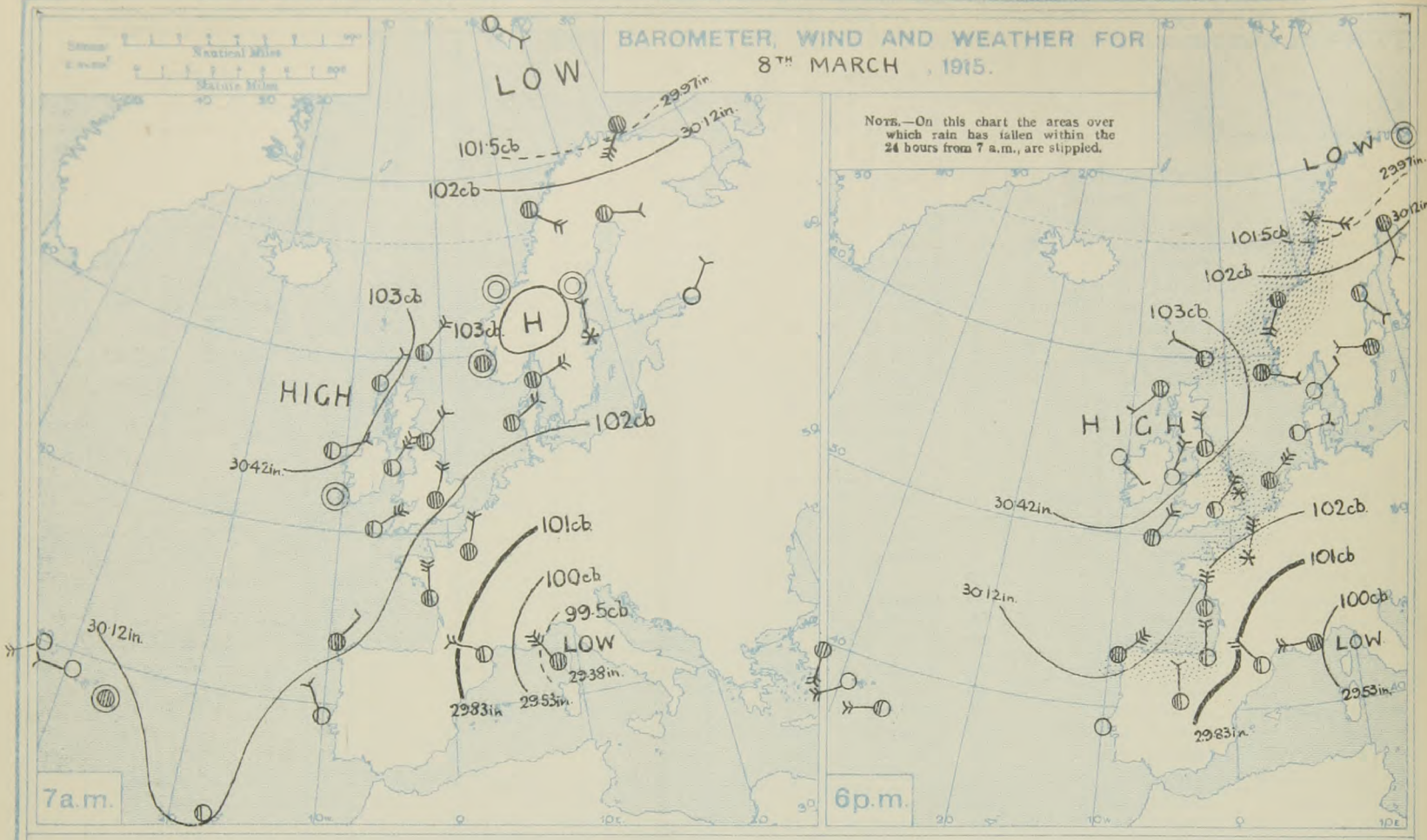
GALES.

Duration and Extreme Force in British Islands.

Dungeness
8th Afternoon NE 8 in Squalls.

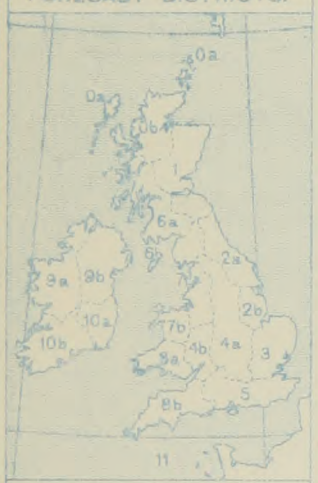
London (S. Kensington)
8th 3.9 p.m. Ex. Gust NE 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



0 (a, b), 1 — Wind between North-West and West, backing to South-West, light or moderate; cloudy or overcast, some rain or sleet later; temperature rising.

2 (a, b), 3, 4 (a, b), 5 — Wind North-Easterly or Northerly, light or moderate, backing somewhat later; mostly fair or fine; cold, sharp frost inland at night, with foggy tendency.

6 (a, b) — Same as Nos. 0 and 1.

7 (a, b), 8 (a, b) — Light variable winds; fine generally, but some mist or fog locally; cold, sharp frost inland at night.

9 (a, b) — Wind between West and South-West, light or moderate; fine, then becoming overcast, with some rain locally; temperature rising.

10 (a, b) — Wind light variable; fair generally; temperature below the normal.

Western Channel and Bay 11 — Easterly to variable winds, light or moderate; fair; sea slight.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

No Warnings Issued.

FURTHER OUTLOOK.

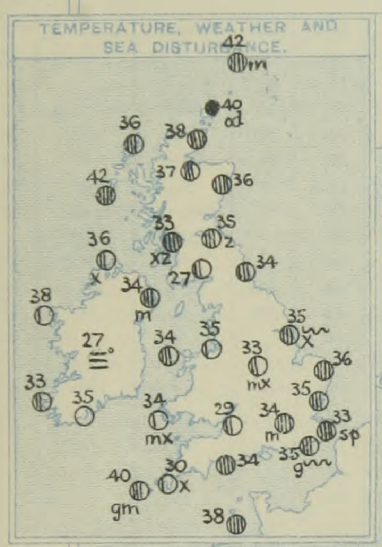
R. G. K. LEMPFERT, Superintendent, Forecast Division.

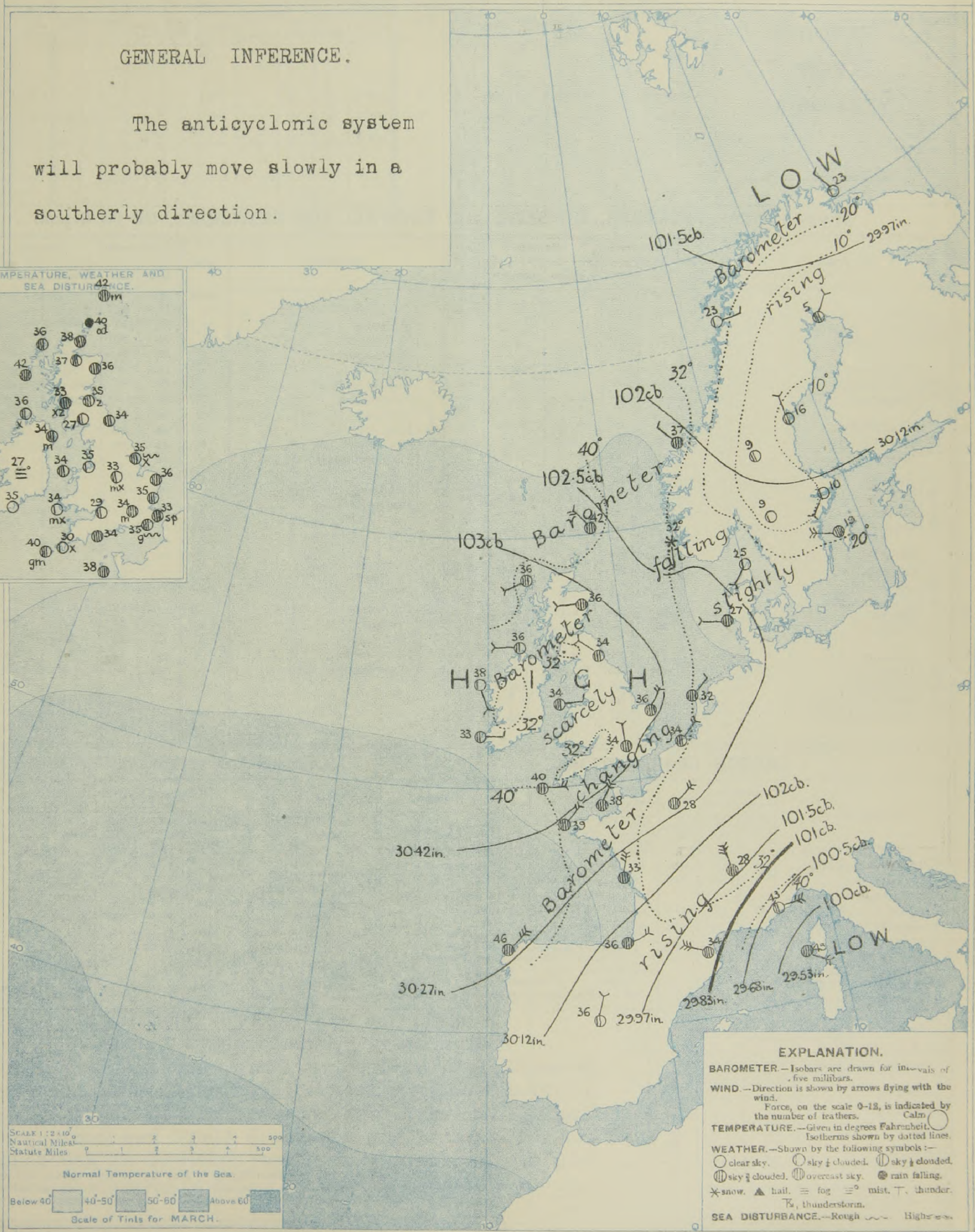
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 9TH MARCH, 1915.

GENERAL INFERENCE.

The anticyclonic system will probably move slowly in a southerly direction.





DAILY WEATHER REPORT. Tuesday, 9th March, 1915.

REPORTS FOR YESTERDAY.

8th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd	1022·6	5	NE	2	b	1022·7	0	-2		NE	2	-	b	*	-	10	-2
Le Havre	1011·5	41	NNW	6	bc	1014·3	*	37	-4	NE	7	*	c	6	3	46	36
Horta.	.	.	.	.	.	1018·7	+2	57	-2	W	2	*	b	3	-	64	57

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	45	34	b	b	7·6
Scotland.	Banff						
Scotland.	St. Andrews	-	41	34	*	*	0·1
Eng., N.E.	Harrogate	1	40	31	op.bc	bc.c.o	3·2
Eng., N.E.	Scarborough	*	44	35	o	o	3·4
Eng., N.E.	Skegness	1	41	35	o.bc.o	o.c.o	5·7
Eng., N.W.	Morecambe	-	43	37	b.bc	b.bc	5·0
Eng., N.W.	Blackpool	-	43	35	c.cp	c	2·6
Eng., N.W.	Southport	-	42	32	b.o.c	o.c.bc.c	2·2
Midlands.	Buxton	2	40	31	bcs	bc	4·2
Midlands.	Leamington Spa	-	43	34	bc.c	bc.c	4·8
Midlands.	Malvern	-	42	33	bc	c	1·7
Midlands.	Ross-on-Wye	-	42	33	o.bc	bc	1·4
Wales.	Rhyl	-	44	37	bc	bc	4·8
Wales.	Colwyn Bay	-	42	36	bc	bc.c	5·8
Wales.	Llandudno	-	45	38	b	b	6·6
Wales.	Aberystwyth	-	43	36	o.c	c.o	2·0
Wales.	Tenby	-	44	34	bc	bc	4·4
Wales.	Swansea	-	43	34	bc.o	b	3·6
England, E.	Cromer	1	38	34	bc.cs	c	4·4
England, E.	Lowestoft	1	39	35	bc.cps	c	6·7
England, E.	Felixstowe	3	39	32	cq.ps	cq	5·1
England, E.	Walton-on-Naze	2	39	33	s.bc.c	bc.o.c	5·2
England, E.	Southend-on-Sea	0·3	40	34	bcsp.b	bcsp.b	4·9

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	1	41	33	b.bc.c.b	bc.c	4·7
England, S.E.	Margate	3	38	35	c.bcshq	bc.cshq	2·8
England, S.E.	Ramsgate	4	38	32	osq	sq	3·5
England, S.E.	Folkestone	5	38	33	bc.os	s	3·5
England, S.E.	Hastings	4	40	33	sq	sq	3·6
England, S.E.	Bexhill-on-Sea	4	50	37	sh.er	crs	5·2
England, S.E.	Eastbourne	2	41	34	ps.bc	sp	4·0
England, S.E.	Seaford	2	44	33	or.c	or.c	5·1
England, S.E.	Brighton	2	42	35	c.bc	bc.c	4·0
England, S.E.	Worthing	1	42	35	c	c	4·2
England, S.E.	Littlehampton	-	45	*	c	c.bc	3·7
England, S.E.	Bognor	0·3	44	35	bc	bc	4·4
England, S.E.	Southsea	—	43	35	o.c.b	bc	3·7
England, S.E.	Bournemouth	-	43	33	c	c	4·0
England, S.W.	Weymouth...						
England, S.W.	Torquay	-	44	36	bc	bc.c.bc	4·3
England, S.W.	Paignton						
England, S.W.	Falmouth	-	44	36	b.bc	bc	6·9
England, S.W.	Penzance	0·3	46	41	bc	bc	9·2
England, S.W.	Newquay	-	47	39	b.bc	c	5·8
England, S.W.	Ilfracombe	-	44	38	bc	bc	3·8
England, S.W.	Weston-super-Mare ...	-	43	36	c.bc	b.bc.b	2·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.) ...	78	71	4·8	42	33	28	-	bc.osp	osp.o	o.bc.o
City (Bunhill Row)	*	*	4·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	77	73		42	35	32	-	osp	osp	bc
Camden Sq. (Brit. Rainfall)	85	76	4·0	42	34	29	0·3	o.bc	bc	*
Hampstead (Reservoir) ...	*	76	4·2	41	30	24	-	bcs	bc	bcx
Richmond Park ...	*	*	4·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	79	71	3·6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
642 Joules	15·8 Milliwatts.	48 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	-	44	35	31	bc	bc	bc	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	-	42	32	28	b.o	c	c.b	2·8
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	41	36	32	ogd.od	oq.csp	osp.c.oq	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

9th & 10th Mar, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.24 / 6.22	12.4 / 12.4	5.43 / 5.45
Greenwich	6.21 / 6.19	12.11 / 12.11	5.51 / 5.53
Wick	6.49 / 6.47	12.23 / 12.23	5.56 / 5.59
Valencia	7.13 / 7.11	12.21 / 12.22	6.21 / 6.24

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° in several parts of Great Britain, and frost occurred at night over a large portion of the Kingdom. Slight snow showers fell in the east and south-east, but generally there was much bright sunshine. Aurora was observed at Aberdeen.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 69

Wednesday, 10th March, 1915.

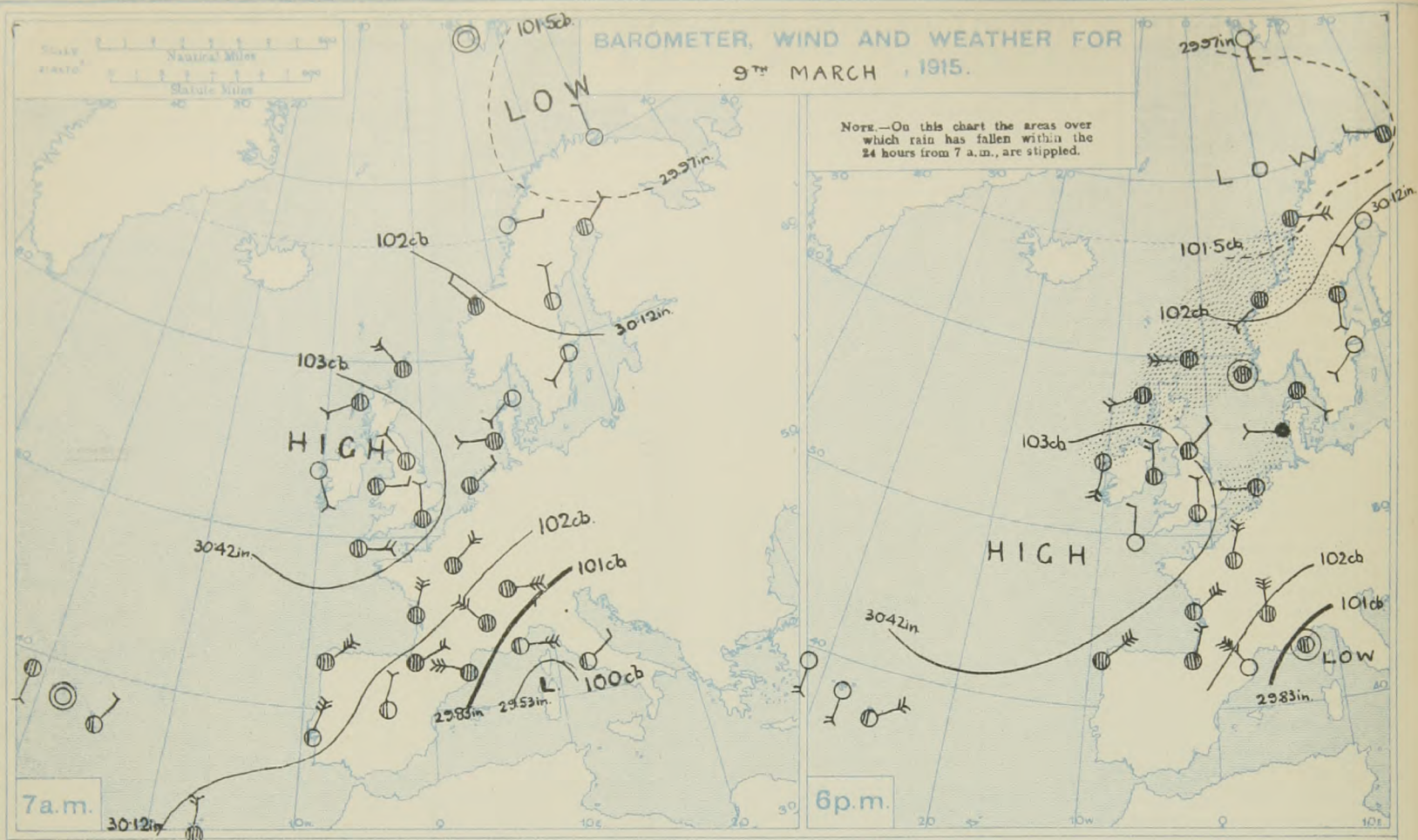
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1023·5	44	W	4	om	1016·4	−2	45	+3	SW	3	–	omd	3	3	45	40	omd	om	omd	*
	Deerness ...	1025·4	42	W	5	c	1019·6	*	44	+4	W	4	–	oe	3	1	45	38	od. o	o. c	c. oe	0·0
	Stornoway ...	1027·7	44	WSW	3	o	1021·2	−2	46	+10	W	5	–	o	4	0·2	46	36	c. o	o	odp	0·5
	Castlebay (Barra Isd.)	1029·2	45	WSW	3	o	1023·4	−2	46	+4	WSW	3	–	odp	3	1	47	41	o	o	odp	0·0
	Glasgow ...	1030·7	39	WNW	2	b	1026·1	−3	41	+8	SW	3	W	o	*	1	44	32	o	o. c. bc	bc. c. op	1·9
	Eskdalemuir ...	1030·5	38	WNW	3	bc	1026·0	−2	40	+13	SW	4	NW	o	*	–	41	26	c. o	o. c	c. bc. b	0·4
	Malin Head ...	1031·2	43	WSW	2	bc	1025·8	−3	44	+8	WSW	4	–	op	4	0·3	45	35	bc	bc	og	6·8
	Blacksod Point	1032·6	43	SSW	4	bzy	1027·5	−4	45	+7	SSW	4	SW	mc	2	1	45	36	bzy	bzy	cm. omp	*
	Valencia ...	1033·8	45	SW	2	b	1031·4	−1	44	+11	S	1	–	o	3	–	47	31	b	b	bc. o	7·8
	Roche's Point	1034·2	43	SW	2	b	1032·6	*	38	+3	W	1	W	c	1	–	47	34	b	b	bc. c	*
	Birr Castle ...	1033·7	41	N	1	b	1030·7	*	39	+12	WNW	1	–	o	*	–	46	27	b	b	o	8·4
	Donaghadee ...	1031·6	41	SW	1	bc	1027·3	−2	39	+5	W	3	–	om	2	–	44	34	bem	bzy	bc. ogm	*
	Liverpool (Bidston)	1032·4	40	WNW	2	o	1028·5	−2	39	+4	WNW	3	NW	bc	2	–	43	36	cm	bc	o. bc	3·8
	Holyhead ...	1032·4	42	N	3	cg	1029·1	−1	41	+7	W	3	–	og	2	–	47	34	c. b. bc	c. o. c	c. bc. c. o	4·6
	Pembroke (St. Ann's)	1033·3	41	N	1	c	1031·2	−1	40	+6	NW	2	–	bc	2	–	44	33	bmc	cg	c	4·4
	Scilly (St. Mary's)	1032·7	42	N	1	bm	1031·7	0	43	+3	NNW	2	NW	c	3	–	45	39	bc	bem	cm. bc. c	9·1
	Falmouth ...	1033·1	41	NNE	2	bc	1031·8	0	39	+9	NNW	2	–	c	3	–	45	30	b. bc	bc	bc. c	9·2
	Jersey (St. Aubin)	1030·0	40	NE	4	o	1029·7	*	39	+1	N	3	–	om	2	–	42	37	c. bc	c. o	bc. om	1·6
	Portland Bill ...	1031·5	42	NE	3	bc	1030·5	0	40	+6	NNW	2	–	o	3	–	43	33	c. bc	bc	c. o	*
	Dungeness ...	1028·8	40	NE	2	c	1028·0	−1	35	0	NNE	2	NE	o	2	–	40	32	bcqp	c	bcl. o	*
	Dover	1029·2	38	NNW	3	c	1027·8	−1	39	+6	NW	3	–	c	2	5	39	30	pq. o	o. c	c. opr. c	0·4
	Wick	1027·1	42	W	2	o	1020·7	−2	44	+6	SSW	3	–	o	2	0·3	45	36	om. c	c. o	cmp. om	*
	Nairn	1028·7	43	W	2	bc	1021·9	*	44	+7	W	2	–	bc	2	–	45	36	c	c. bc	bcq	0·1
	Aberdeen ...	1028·8	42	W	2	bc	1022·8	−3	41	+5	SW	2	W	cg	2	–	45	36	o. c. o	o. c. bc	c. b. bc	0·9
	Leith	1028·9	44	W	2	c	1024·8	−2	42	+7	WSW	2	–	c	*	0·3	45	34	o	c	bz	*
	Tynemouth ...	1029·9	41	NE	1	cm	1026·2	−4	39	+5	WNW	1	NW	cm	2	–	44	33	bem	bem	cm.	*
	Spurn Head ...	1031·3	40	N	3	bc	1027·2	−2	37	+2	NW	4	NW	o	5	0·2	43	33	cqp	bc	c. o	2·3
	Yarmouth ...	1029·2	38	N	1	bc	1027·3	−2	37	+1	W	1	–	cm	1	–	42	35	bc	bc	cm	0·4
	Clacton-on-Sea	1028·5	41	NNW	2	c	1026·9	−2	36	+1	WNW	2	–	ogm	1	–	42	34	c. o	o. c	c. bc. og	1·3
	Nottingham ...	1030·6	38	–	0	c	1028·4	*	37	+4	W	1	NW	cm	*	–	43	32	bc. om	om. c	c. om.	0·0
	Bath	1031·7	42	N	1	o	1030·4	*	38	+9	NW	2	NW	o	*	–	45	29	c. bc. b	c. bc. o	c. om.	4·3
	London (Kew Obsy.)	1030·3	42	N	2	c	1029·1	−1	36	+2	W	1	–	om	*	–	44	34	om. c. bc. cog	c. bc. c	c. bc. cm	1·8
ICELAND, FAEROE, &c.	Spitsbergen ...	1015·7	−33	S	1	b	1011·1	−6	−33	−4	–	0	*	b	*	*	−29	−40				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1013·6	23	WNW	1	o	1006·1	−3	16	−7	WSW	4	W	b	3	*	25	14				
	Bodö	1014·6	30	E	4	c	997·6	−7	30	+7	E	5	–	s	2	?	30	21				
	Christiansund	1018·3	37	SW	2	o	1007·9	−5	43	+6	SW	7	–	o	4	4	43	36				
	Skudesnaes ..	1023·5	34	–	0	o	1019·4	−1	36	+4	SSW	4	–	r	3	8	36	32				
	Færder (Christiania Fjord)	1023·7	28	NE	1	b	1020·3	−2	32	+7	SSW	4	–	m	2	–	32	25				
	The Scaw (Skagen)	1022·3	32	SE	2	o	1022·0	−2	32	+7	S	3	–	o	2	–	32	23				
	Blaavands Huk	1023·3	36	W	2	r	1021·3	0	32	+5	NNE	1	–	f	1	3	36	25				
	Haparanda ...	1020·7	1	SW	2	b	1011·9	−6	16	+11	S	4	–	o	*	–	16	−4				
	Hernösand ...	1022·3	25	S	2	c	1013·5	−6	23	+7	S	2	–	c	*	Trace	27	16				
	Stockholm ...	1021·9	23	SW	2	b	1021·7	0	21	+11	SW	2	–	c	*	–	25	10				
	Wisby	1024·0	25	SW	2	c	1023·9	0	25	+6	SW	2	W	bc	*	–	27	19				
	Karlstad	1023·4	21	–	0	b	1021·7	−1	23	+14	WSW	2	–	o	*	–	28	9				
	Petrograd (8 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1027·9	36	W	1	c	1024·6	−2	39	+7	NNW	3	–	o	2	1	39	32				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1028·4	38	N	4	o	1027·5	0	37	+6	NNW	5	*	o	3	2	39	31				
	La Hève	1029·0	36	NE	3	c	1029·3	*	35	+3	NE	2	*	bc	2	–	39	34				
	Ushant	1036·3	43	NE	6	o	1034·7	*	45	+2	NE	3	*	o	3	–	45	39				
	Brest (St. Mathieu)	1032·3	40	NE	2	o	1031·8	0	41	+2	NE	1	*	o	2	–	45	37				
	Rochefort (Ile d'Aix)	1026·0	38	NE	5	c	1028·2	+2	34	+1	NNE	4	*	c	*	–	43	32				
	Biarritz	1025·0	39	NNE	3	o	1026·7	+1	32	−4	E	3	*	bc	2	–	39	32				
	Paris	1026·6	32	NNE	4	b	1028·0	+1	27	−1	NNE	1	N	b	*	–	36	25				
	Belfort							*					*		*							
	Lyons	1020·0	27	N	6	o	1021·5	*	23	−5	N	6	*	b	*	–	29	22				
	Nice	1005·6	42	–	0	c	1007·4	+3	38	−5	E	4	*	c	4	–	54	34				
	Perpignan ..	1014·3	36	NW	7	b	1016·6	+3	32	−2	NW	6	NW	b	*	–	41	32				
	Sanguinaire ...	1021·2	46	E	4	m	999·9	*	45	0	E	3	*	bc	5	1	52	39				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1027·8	48	NE	6	o	1029·9	0	45	−1	NE	5	–	o	3	?	50	43				
	Madrid (8 a.m.)														*							
	Lisbon (8 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1027·3	*	S	3	b							*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

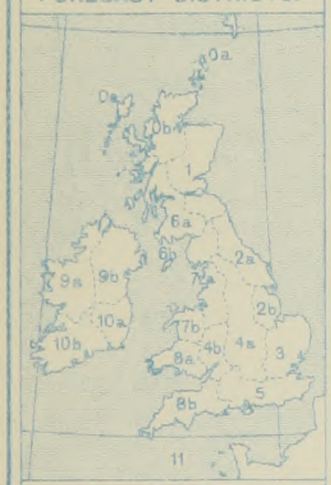
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. ¶ Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay 11

0 {a, b}, 1 — Westerly and South-Westerly winds, light or moderate; mostly cloudy or overcast, slight rain locally; moderate temperature.

2 {a, b}, 3, 4 {a, b} — North-Westerly to South-Westerly winds, light; cloudy or overcast, then brighter; temperature rising.

5 — North-Westerly to Westerly or South-Westerly winds, light; cloudy or overcast, then brighter; temperature rising.

6 {a, b} — Same as Nos. 0 and 1.

7 {a, b}, 8 {a, b} — Same as Nos. 2 to 4.

9 {a, b} — Southerly and South-Westerly winds, light to fresh; mostly overcast, some slight rain locally; moderate temperature.

10 {a, b} — Southerly and South-Westerly winds, light to fresh; much cloud generally, fairer intervals; milder.

11 — Northerly to North-Westerly winds, light; fair generally.

FURTHER OUTLOOK.

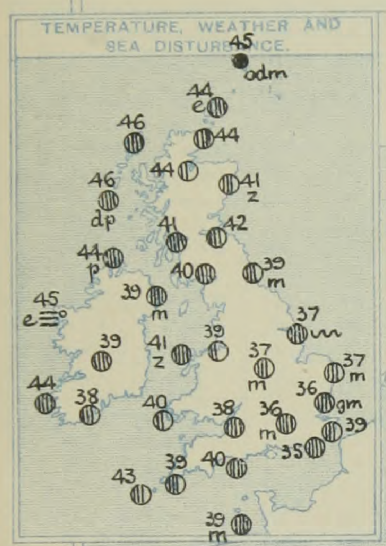
R. G. K. LEMPFERT, Superintendent, Forecast Division.

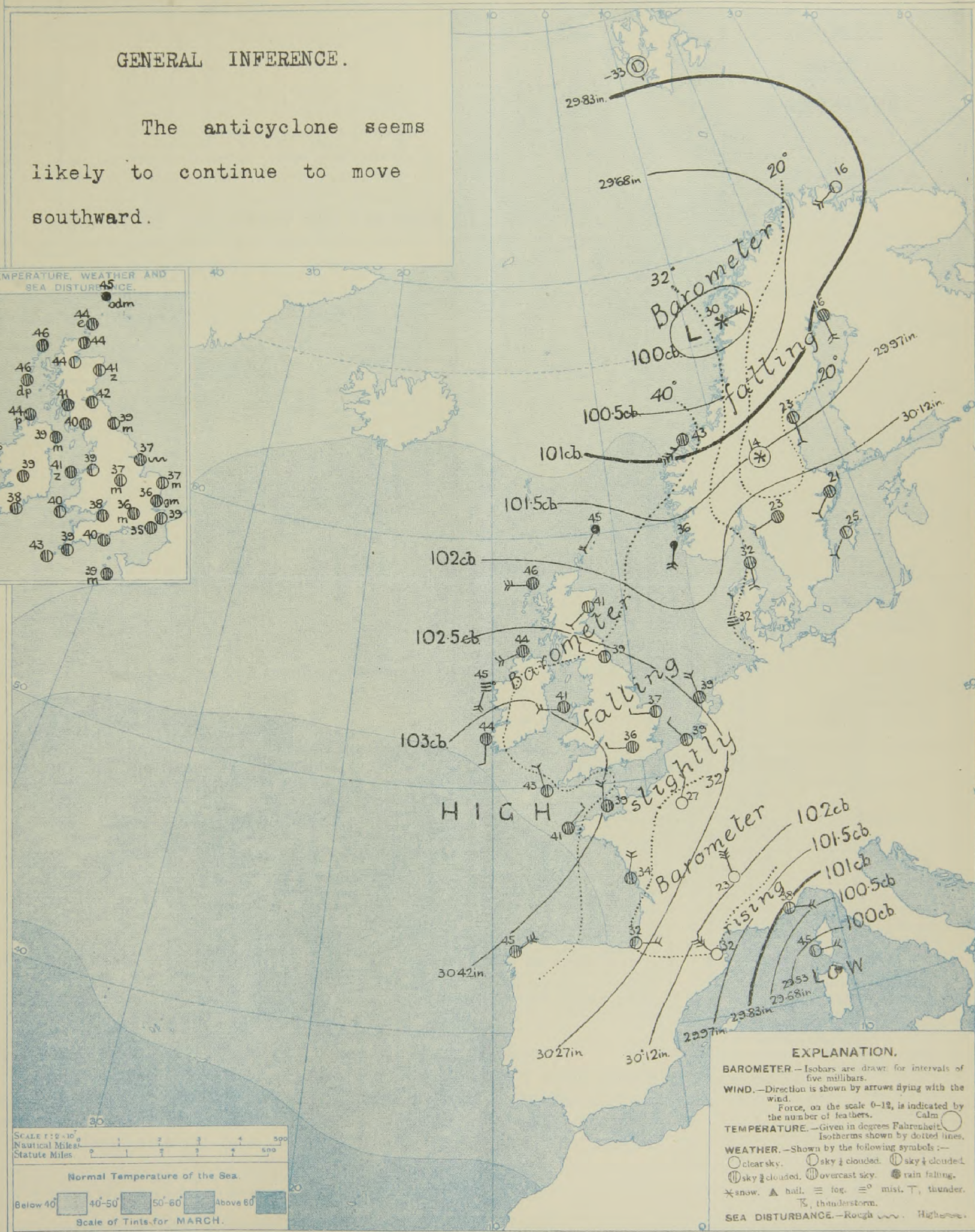
W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 10TH MARCH, 1915.

GENERAL INFERENCE.

The anticyclone seems likely to continue to move southward.





DAILY WEATHER REPORT.

Wednesday, 10th March, 1915.

REPORTS FOR YESTERDAY.

9th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1013·7	−13	N	7	b	1015·9	0	−29	−9	–	0	*	b	*	*	−13	−36
Belfort	1013·0	28	–	0	s	1019·7	*	23		E	6	*	o	*	4	35	22
Lisbon	1013·6	59	NNW	5	c	1018·1	+3	46	+4	NNE	5	–	b	5	–	66	46
Rome	997·6	43	N	1	c	1001·3	+3	39		NE	1	–	bc	*	3	55	39
Horta	.	.	.	.	.	1026·3	+1	53	−4	–	0	*	b	2	–	66	52
Funchal	1020·7	64	N	3	o	1021·0	+1	59	+4	N	3	NE	o	3	–	66	55

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	43	29	o	o	0·0
	Banff	–	43	30	o	o	0·0
	St. Andrews	–	45	30	*	*	0·1
Eng., N.E.	Harrogate	–	44	31	o.c.bc.b	bc.c.o	4·1
	Scarborough	*	45	32	o.c	o.c	3·5
	Skegness	–	42	31	o.c	o.c.o	3·2
Eng., N.W.	Morecambe	–	43	34	bc	bc	3·5
	Blackpool	–	44	31	c.bc	o.c	3·0
	Southport	–	43	31	c.o.bc.c	c.o	3·5
Midlands	Buxton	–	41	26	c	c	2·7
	Leamington Spa	–	44	31	bc.c	bc.c	3·8
	Malvern	–	42	31	bcz	bcz	4·0
	Ross-on-Wye	–	45	28	bmz	bcm	3·2
Wales	Rhyl	–	43	25	bc	og	3·0
	Colwyn Bay	–	44	29	o.bc	bc.o	2·0
	Llandudno	–	44	34	c	c	1·3
	Aberystwyth	–	43	27	o.c.b	c.o	4·7
	Tenby	–	46	27	bc	bc	5·8
	Swansea	–	46	32	b	bc	3·8
England, E.	Cromer	–	41	35	o.c	c	0.5
	Lowestoft	–	42	37	o.c	c	0·5
	Felixstowe	–	43	33	c	c	0·8
	Walton-on-Naze	–	42	33	bc.c	c	0·8
	Southend-on-Sea	–	44	33	b.bc.c	c.bc.c	2·7

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	43	33	bc.o	bc.c.bc	2·5
	Margate	1	41	33	chq	c	0·3
	Ramsgate	3	39	32	o	o	0·2
	Folkestone	4	39	33	os.bc	o.bc	1·6
	Hastings	1	41	32	os	bc	0·1
	Bexhill-on-Sea	–	47	37	c	c.b	2·8
	Eastbourne	0·3	43	33	om.bc.o	bcm	3·0
	Seaford	–	43	34	c	c	3·0
	Brighton	–	43	34	c.bc.c	c.bc.c	2·0
	Worthing	–	43	33	bc	bc	2·7
	Littlehampton	0·3	43	*	c.bc	bc.bm	2·2
	Bognor	–	43	33	c	bc	2·5
	Southsea	–	43	33	o.c.b	bc.o	2·0
	Bournemouth	–	43	31	c	c.o	2·8
England, S.W.	Weymouth	–	44	31	bc	bc cm	3·7
	Torquay	–	45	30	b	b.bc.b	6·9
	Paignton						
	Falmouth	–	45	30	b.bc	bc	9·2
	Penzance	–	46	33	bc	bc	10·2
	Newquay	–	42	31	bv	bz bc	9·3
	Ilfracombe	–	44	37	b	b.bc.c	5·2
	Weston-super-Mare	–	44	32	b	b.bc.c	4·5

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature In Screen Max. (24 hours ended 9 a.m. To-day)	Temperature In Screen Min.	Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	61	86	1·8	44	35	27	–	c	c.bc	bc c.f
City (Bunhill Row)	*	*	2·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	58	84	0·6	44	35	31	–	c.bc	bc	bcw
Camden Sq. (Brit. Rainfall)	58	82	2·1	45	33	27	–	o.c	bc.c	*
Hampstead (Reservoir)	*	88	0·0	41	32	20	–	bc	cm	bcxc
Richmond Park	*	*	1·4							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	58	81	1·1							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
667 Joules	16·4 Milliwatts.	47 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature In Screen Max.	Temperature In Screen Min.	Night Min. on Grass.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	–	42	31	27	bc	bc	bc.o	5·2
Manchester ,,				*				
Birmingham ,,	–	42	29	24	*	bz.c	c.o	1·1
Oxford to 9 p.m.	*							*
Teignmouth to 9 p.m.	–	44	33	29	bc.b	b	b.bc	7·0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	44	35	30	o.c	cz bc	bcz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

10th March 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.22 / 6.20	12.4 / 12.3	5.45 / 5.47
Greenwich	6.29 / 6.26	12.11 / 12.10	5.52 / 5.55
Wick	6.47 / 6.44	12.23 / 12.22	5.59 / 6.1
Valencia	7.11 / 7.8	12.52 / 12.51	6.34 / 6.35

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° in some parts of Kent, but rose to 45° in many parts of the Kingdom. The duration of bright sunshine varied greatly. In the east and south-east there was very little, on the south-west coast of England 9 or 10 hours, and in Ireland about 8 hr.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 70 { Thursday, 11th March, 1915.

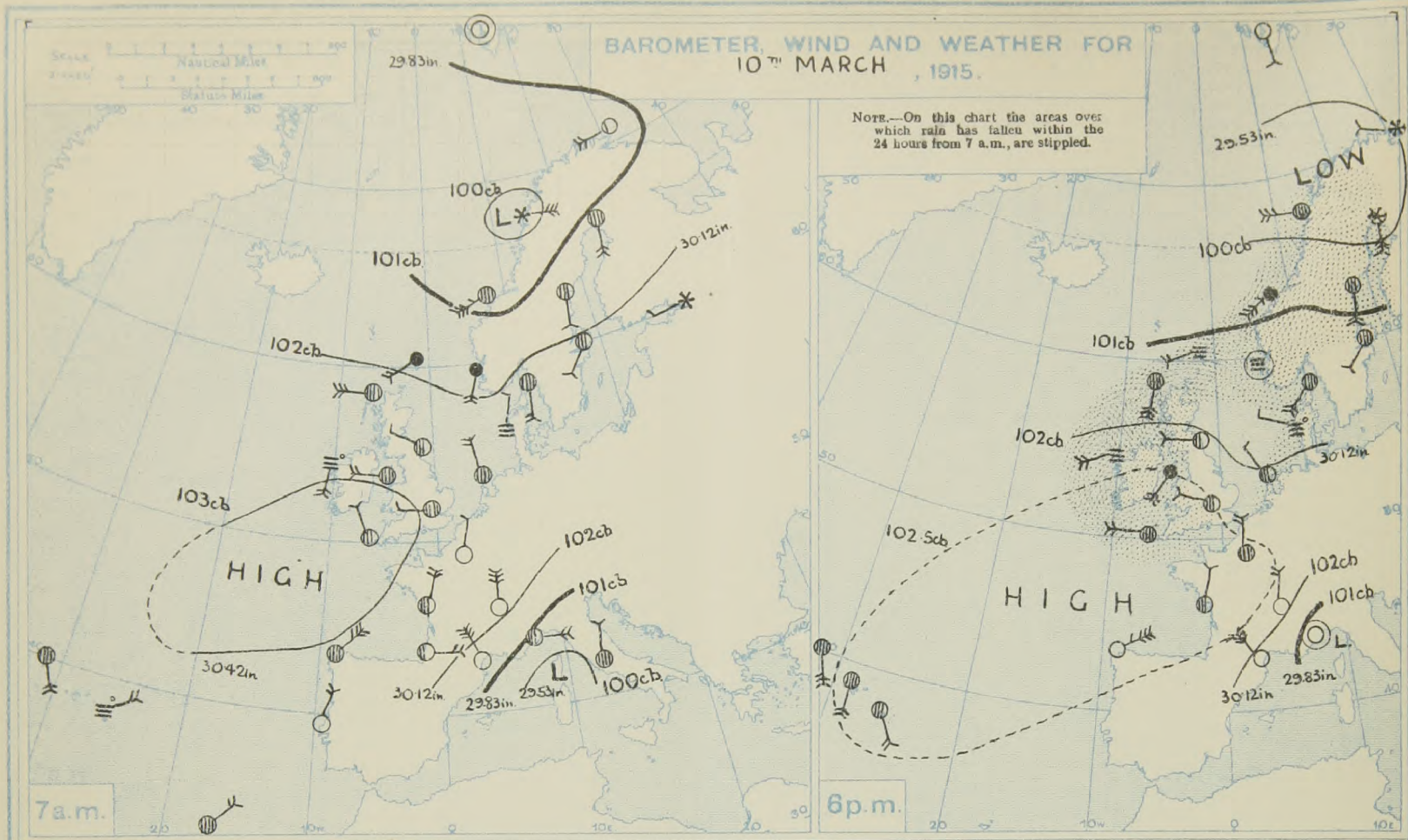
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1012.5	43	WSW	3	f	1009.2	0	43	-2	W	2	–	cm	2	3	45	40	f	f	fd.om	*
	Deerness ...	1013.9	44	W	5	bc	1010.6	*	43	-1	W	3	S	c	2	1	48	41	oc	o.c.bc	bc.c	0.3
	Stornoway ...	1015.3	47	SSW	6	oq	1011.9	+3.	40	-6	W	3	W	bc	3	2	51	40	o.c	c.oq	bcp	2.7
	Castlebay (Barra Isd.)	1017.7	46	SW	3	d	1011.3	0	44	-2	NW	2	NW	c	2	2	47	43	d.p.or	od	d.r.o.c	0.0
	Glasgow ...	1020.8	45	SW	1	o	1012.2	-2	42	+1	SW	1	NW	bc	*	1	46	40	od.p.m	om	odp	0.0
	Eskdalemuir ...	1022.5	42	SSW	4	om	1012.6	-3	40	0	W	1	NW	o	*	2	46	39	o	oqm	odm.	0.2
	Malin Head ...	1020.8	46	WSW	5	cmq	1013.5	-2	43	-1	WNW	3	–	omd	4	1	47	43	om	om	omd	0.3
	Blacksod Point	1022.6	47	WSW	4	me	1016.5	-2	44	-1	WNW	5	NW	cp	4	2	49	42	fc	fc	omd.cp	*
	Valencia ...	1027.1	49	SSW	2	m	1020.3	-1	46	-2	NW	3	–	op	4	2	50	44	omr	omr.d	omr	0.0
	Roche's Point	1027.8	48	W	2	o	1019.2	*	46	+8	W	2	NW	c	2	0.4	49	38	o	op	op.cp	*
	Birr Castle ...	1025.6	47	WSW	1	r	1017.2	*	44	+5	W	1	–	r	*	2	48	? 39	or	or	od	0.0
	Donaghadee ...	1024.9	48	SW	3	oqm	1013.1	-2	43	+4	W	2	W	cmp	2	1	49	39	oqm	oqm	oqm.cp	*
	Liverpool (Bidston)	1024.0	43	W	4	o	1014.0	-6	43	+4	WSW	4	W	o	3	2	45	39	o	op	or	0.1
	Holyhead ...	1024.6	44	SW	4	odm	1014.6	-4	44	+3	W	4	W	c	3	2	47	40	o.c.om	o.odm	ode.cp	0.1
	Pembroke (St. Ann's)	1027.1	44	W	2	c	1017.0	-4	46	+6	WSW	4	–	oqpd	4	3	46	40	bc	bc	cq	10.1
	Scilly (St. Mary's)	1028.8	45	WNW	4	o	1020.1	-7	48	+5	WNW	5	W	om	5	1	48	43	o	o	omd	0.0
	Falmouth ...	1028.1	44	NW	3	o	1019.2	-6	47	+8	WNW	3	–	or	2	1	47	38	bc.o	o	o.or	3.3
	Jersey (St. Aubin)	1026.8	46	WNW	3	o	1020.2	*	46	+7	W	3	–	omr	2	1	48	38	of.om	cm.o	omr	1.7
	Portland Bill ...	1026.0	45	NW	4	o	1018.4	-5	45	+5	WSW	3	W	o	3	0.2	46	40	o.c.bc	bc.c.o	od	*
	Dungeness ...	1023.9	41	NW	2	oq	1017.6	-3	42	+7	W	2	NW	cq	3	–	44	34	of.o	of.o	o.c.bcq	*
	Dover ...	1023.5	40	NW	2	o	1017.2	-3	41	+2	W	1	W	c	2	–	42	37	c.o	o	o.c	0.0
	Wick ...	1015.7	48	SW	2	bc	1010.7	0	40	-4	W	1	–	bc	2	1	56	38	om.c	c.bc	bcm.	*
	Nairn ...	1016.7	49	W	1	bc	1011.3	*	40	-4	–	0	–	c	1	0.2	55	37	bc	bc	bcp	6.3
	Aberdeen ...	1017.3	52	W	2	bc	1011.6	+1	42	+1	NW	3	–	o	2	3	58	39	cq.bc	bc	bc.b.or	4.6
	Leith ...	1019.3	47	WSW	2	bc	1011.3	-1	45	+3	WSW	2	–	o	*	–	49	41	o.c.o	o.c	o	*
	Tynemouth ...	1021.0	45	W	2	bcm	1012.0	-3	43	+4	SSW	1	–	omr	2	1	50	39	bcm	bcm	omp	*
	Spurn Head ...	1023.3	43	NW	2	m	1015.2	-3	43	+6	WSW	4	–	om	4	–	46	36	om	om	om	0.7
	Yarmouth ...	1022.7	42	W	1	cm	1016.3	-5	41	+4	W	1	–	f	1	–	45	35	cm	cm	om.f	0.1
	Clacton-on-Sea	1022.7	42	WNW	2	oqm	1016.3	-3	42	+6	W	2	N	cm	1	–	43	35	oqm	oqm	oq.cm	0.0
	Nottingham ...	1023.6	45	WNW	3	o	1015.4	*	43	+6	SW	1	SW	om	*	–	45	35	c.om	om	o.c	0.0
	Bath ...	1025.9	45	NW	2	o	1017.5	*	45	+7	W	2	W	r	*	2	47	37	m.bc.b.o	oq	g.or	1.6
	London (Kew Obsy.)	1024.3	43	NW	2	cm	1017.4	-4	42	+6	SW	2	–	om.	*	0.1	44	36	om.cm.o	o.c.cm	m.op.om	0.1
Iceland, Faeroe, &c.	Spitsbergen ...	1008.2	-17	S	2	b	1007.8	-2	-11	+22	S	2	*	o	*	*	-11	-35				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	1000.0	19	NW	2	s	998.1	-1	25	+9	NE	3	–	o	3	*	25	14				
	Bodö ...	995.9	37	W	5	o	999.7	0	37	+7	SW	6	–	o	3	?	37	30				
	Christiansund	1008.0	41	SW	8	r	1007.8	0	41	-2	SW	2	–	r	5	3	43	39				
	Skudesnaes ..	1014.1	37	–	0	f	1011.0	0	37	+1	–	0	–	f	1	7	37	32				
	Færder (X'iania Fjord)	1012.0	34	SSW	5	f	1009.1	0	30	-2	NE	1	–	f	1	–	34	30				
	The Skaw (Skagen)	1016.7	34	SW	4	o	1008.8	-5	37	+5	WSW	1	–	f	2	Trace	37	30				
	Blaavands Huk	1019.9	34	WNW	1	m	1013.3	-3	37	+5	WSW	2	–	f	2	1	37	30				
	Haparanda ...	998.4	27	S	6	s	995.3	0	25	+9	NW	2	NW	bc	*	?	28	14				
	Hernösand ...	1003.7	32	S	4	c	1002.1	0	34	+11	SW	2	NW	b	*	1	37	23				
	Stockholm ...	1013.3	27	SW	2	o	1008.4	-3	30	+9	WSW	2	–	o	*	Trace	30	21				
	Wisby ...	1020.0	30	SW	2	b	1013.0	-3	28	+3	SW	6	–	s	*	Trace	30	25				
	Karlstad ...	1013.9	30	SW	4	s	1009.5	-4	34	+11	–	0	–	f	*	1	34	23				
	Petrograd (8 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1021.3	41	NW	1	c	1016.2	-2	39	0	–	0	–	o	0	Trace	41	39				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1023.8	41	NW	4	o	1017.6	-3	41	+4	WSW	3	*	o	2	–	43	37				
	La Hève ...	1025.6	42	WNW	3	c	1019.1	*	41	+6	W	3	*	o	3	–	45	36				
	Ushant ...	1029.1	48	N	4	o	1022.3	*	48	+3	NW	5	*	f	3	–	50	41				
	Brest (St. Mathieu)	1031.1	45	NW	3	o	1024.7	+4	41	0	WNW	4	*	r	3	2	50	39				
	Rochefort (Ile d'Aix)	1028.0	45	NNE	2	c	1024.3	-1	44	+10	NNW	4	*	o	*	–	50	34				
	Biarritz ...												*									
	Paris ...	1025.0	39	NNW	2	o	1020.2	-2	36	+9	SW	1	–	o	*	–	43	27				
	Belfort ...							*					*		*							
	Lyons ...	1023.4	33	N	3	b	1022.3	*	31	+8	NNW	1	*	9	*	–	37	23				
	Nice ...	1009.3	41	–	0	b	1012.3	+2	39	+1	–	0	*	b	2	–	52	34				
	Perpignan ..	1018.6	37	NW	6	b	1021.0	+1	41	+9	NW	5	NW	o	*	–	41	32				
	Sanguinaire ...	1001.4	41	E	3	o	1007.9	*	41	-4	E	3	*	o	4	–	50	36				
Southern Europe.	Coruña (7 a.m.)	1028.8	48	ENE	7	b	1029.0	-1	41	-4	S	1	NW	b	2	–	48	39				
	Madrid (8 a.m.)														*							
	Lisbon (8 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)		*										*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

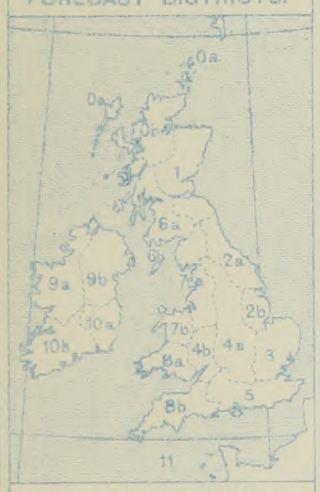
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay 11

0 {a, b}, 1 — Wind light or moderate, mainly Westerly; mostly cloudy or overcast, some slight rain; moderate temperature.

2 {a, b}, 3, 4 {a, b}, 5 — Wind South-Westerly or Westerly, veering towards North-West, light; much cloud, with some mist and rain, then fairer; moderate temperature.

6 {a, b} — Same as Nos. 0 and 1.

7 {a, b}, 8 {a, b}, 9 {a, b}, 10 {a, b} — Westerly and North-Westerly winds, light or moderate, fresh locally; changeable, some showers; moderate temperature.

11 — Westerly and North-Westerly winds, moderate or fresh; some showers; sea moderate.

FURTHER OUTLOOK.

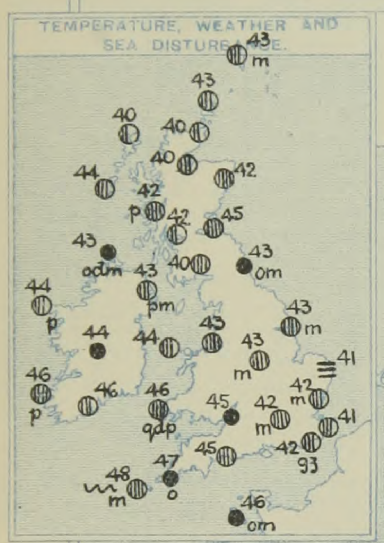
R. G. K. LEMPFERT, Superintendent, Forecast Division

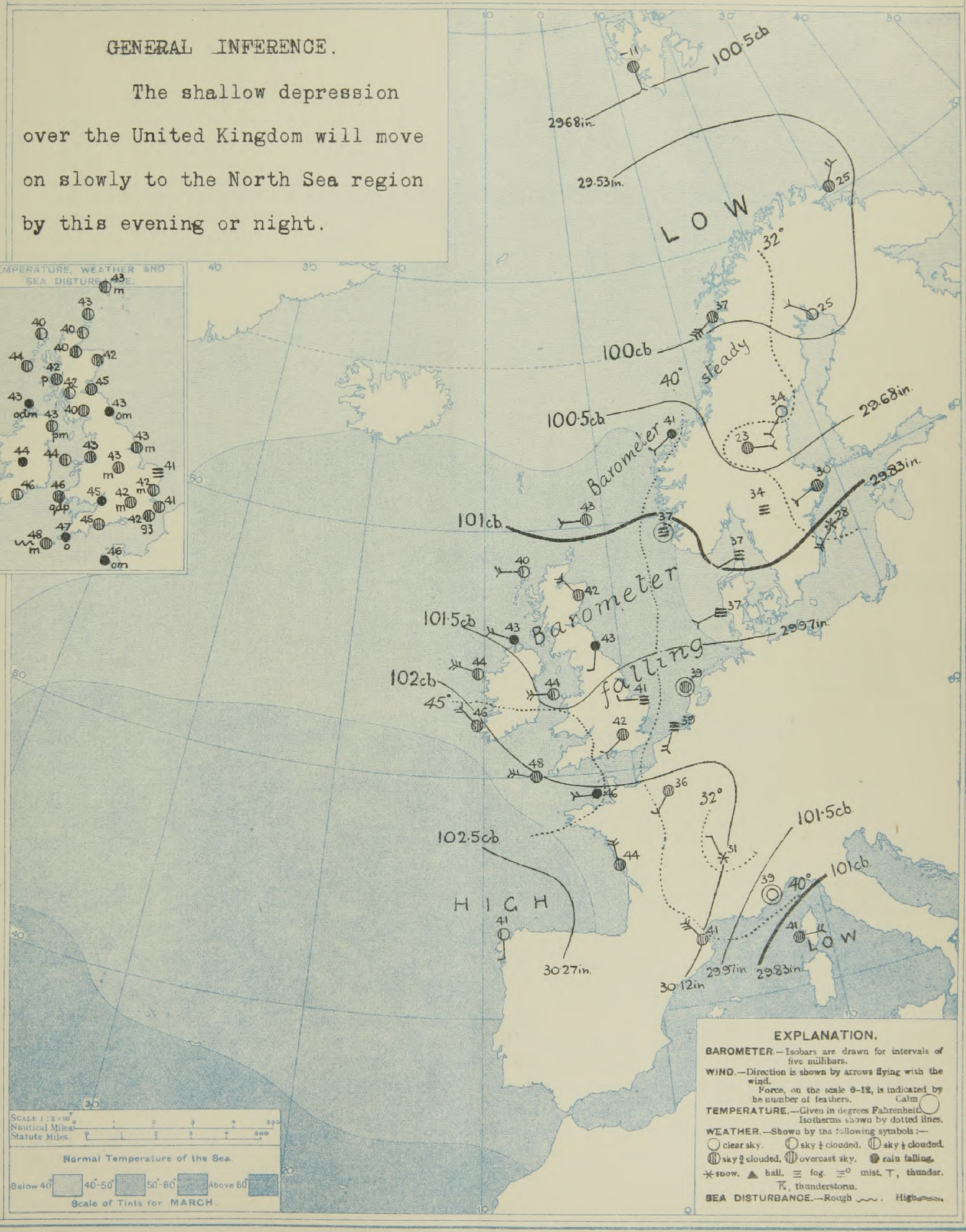
W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 11TH MARCH, 1915.

GENERAL INFERENCE.

The shallow depression over the United Kingdom will move on slowly to the North Sea region by this evening or night.





DAILY WEATHER REPORT. Thursday, 11th March, 1915.

REPORTS FOR YESTERDAY.

10th March 1915

STATIONS.	EVENING OBSERVATIONS. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	OBSERVATIONS AT 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd.	1025·1	30	SSW	1	b	1024·7	0	12		WSW	1	-	s	*	-	30	-9
Lisbon.	1019·1	54	SW	4	b	1022·9	+1	43	-3	NNE	3	-	b	s	-	55	41
Rome.	1001·2	43	N	1	o	1000·4	0	39	0	N	2	-	o	*	-	50	39
Funchal.	1019·7	63	N	3	o	1021·3	0	55	-4	NE	3	N	o	3	-	66	54

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	46	38			0·0
Scotland.	Banff	-	57	37	b	bc	7·5
Scotland.	St. Andrews	-	55	32	*	*	6·2
Eng. N.E.	Harrogate	-	45	30	o.c	c.o	0·0
Eng. N.E.	Scarborough	*	45	35	of	of	0·0
Eng. N.E.	Skegness	-	45	36	o.c	c.od	1·2
Eng. N.W.	Morecambe	-	43	39	o	om	0·0
Eng. N.W.	Blackpool	0·3	44	40	or.o	o.of	0·0
Eng. N.W.	Southport	0·3	44	39	o.c.o	od	0·0
Midlands.	Buxton	-	40	34	o	o	0·0
Midlands.	Leamington Spa	-	43	37	o	o	0·0
Midlands.	Malvern	-	44	37	bc	c	1·4
Midlands.	Ross-on-Wye	-	46	34	bc.c	c.o	1·5
Wales.	Rhyl	-	46	32	og	o	0·0
Wales.	Colwyn Bay	-	47	36	bc.c	c.bc	0·0
Wales.	Llandudno	-	47	34	o	c	0·0
Wales.	Aberystwyth	-	44	32	o	o	0·7
Wales.	Tenby	-	46	29	bc	bc	1·5
Wales.	Swansea	-	47	34	bc	o.c	1·0
England, E.	Cromer	-	44	37	m.o.c	bc.o.c	1·7
England, E.	Lowestoft	-	45	34	o.c	c.o	0·4
England, E.	Felixstowe	-	45	33	om	cm	0·0
England, E.	Walton-on-Naze	-	44	33	o.cm	c.cm	0·1
England, E.	Southend-on-Sea	-	44	33	m.o	om	0·0
England, S.E.	Tunbridge Wells	-	43	32	m.o.c	c.om	0·0
England, S.E.	Margate	-	44	34			0·0
England, S.E.	Ramsgate	1	43	35	o	o	0·0
England, S.E.	Folkestone	2	43	39	f.o	o	0·0
England, S.E.	Hastings	-	44	35	o	o	0·0
England, S.E.	Bexhill-on-Sea	-	45	39	c	c.bc.o	3·7
England, S.E.	Eastbourne	-	46	33	g	g	0·0
England, S.E.	Seaford	-	45	34	c	c	0·2
England, S.E.	Brighton	-	45	35	o.c.o	c.o	1·0
England, S.E.	Worthing	-	47	34	c	c	0·5
England, S.E.	Littlehampton	-	45	*	g.bc.b.	bc.ez	0·8
England, S.E.	Bognor	-	46	34	o	o	1·3
England, S.E.	Southsea	-	47	35	o	o	1·3
England, S.E.	Bournemouth	-	48	34	c	c.o	3·0
England, S.W.	Weymouth	-	49	37	c.bc	bc.om	2·8
England, S.W.	Torquay	-	49	38	b	bc.c.o	4·0
England, S.W.	Paignton						
England, S.W.	Falmouth	-	47	38	bc.o	o	2·3
England, S.W.	Penzance	-	48	39	o	o	1·3
England, S.W.	Newquay	-	45	41	bcv	ov	2·7
England, S.W.	Ilfracombe	-	45	40	bc.c	o	1·9
England, S.W.	Weston-super-Mare	-	45	36	b.bc	cp.o	0·8

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day.)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	72	93	0·0	43	38	35	0·3	o	o	o.or
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	94	0·0	44	39	34	1	o	o	o.od
Camden Sq. (Brit. Rainfall)	71	97	0·0	44	40	34	Trace	o	o	*
Hampstead (Reservoir)	*	98	0·0	42	35	32	-	o	ome	ome
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	67	92	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
341 Joules	8·2 Milliwatts.	35 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester ,,	0·2	44	38	*	o	op	or	0·0
Birmingham ,,	-	41	37	35	o	o	o	0·0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	44	36	28	og.o	o.og	og	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.20 / 6.18	12.3 / 12.3	5.47 / 5.48
Greenwich	6.26 / 6.24	12.10 / 12.10	5.55 / 5.56
Wick	6.44 / 6.41	12.22 / 12.22	6.1 / 6.3
Valencia	7.8 / 7.5	12.51 / 12.51	6.25 / 6.27

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 57° at Banff and to 58° at Aberdeen, but remained below 45° in some English localities. Slight rain fell in several districts, and there was little bright sunshine except in the east of Scotland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; z. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 71

Friday, 12th March, 1915.

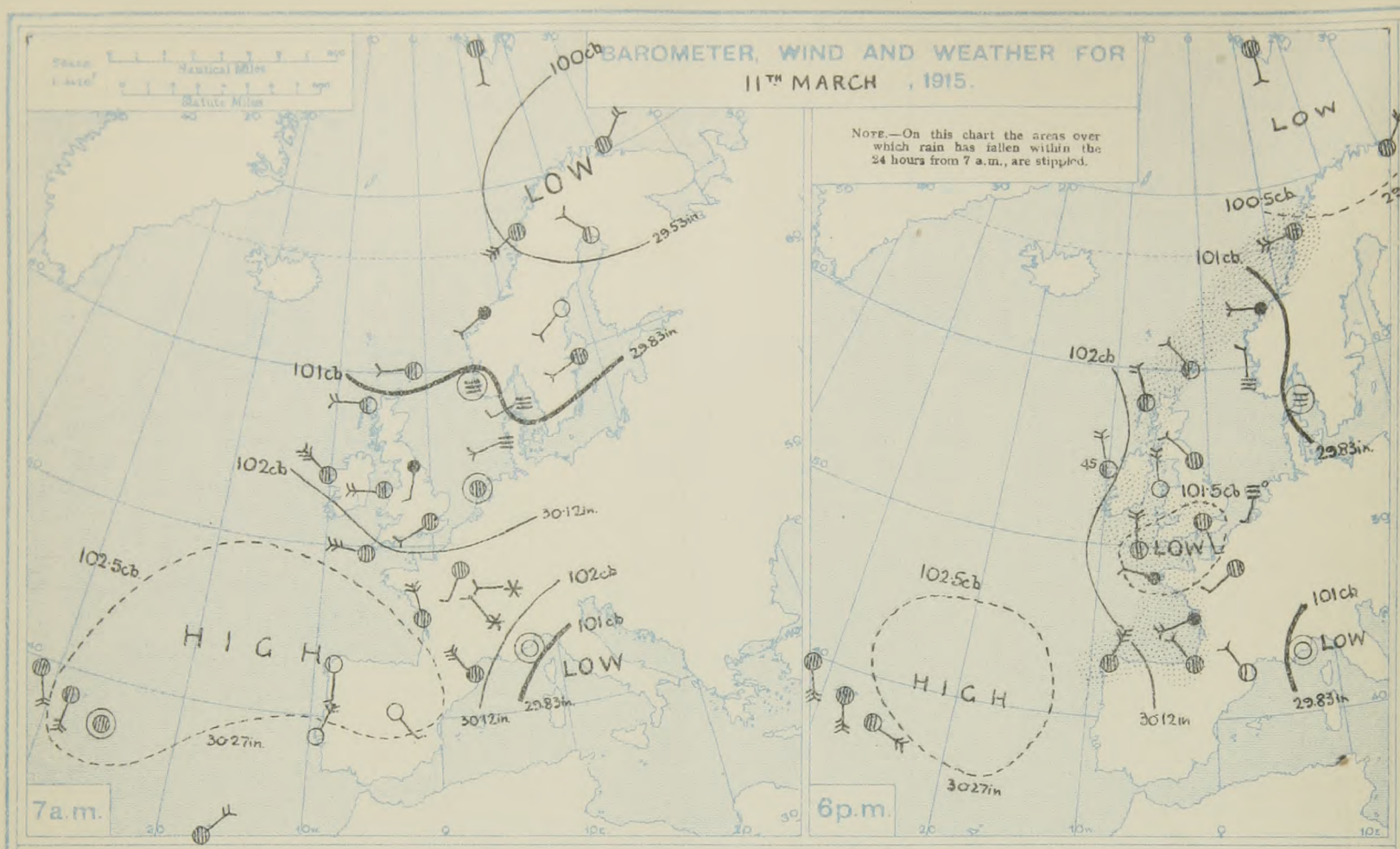
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
British Islands.	Lerwick ...	1015·3	45	NW	2	bc	1018·7	+1	40	-3	NW	3	–	bcm	2	1	50	39	bc	bcp	bcm	*
	Deerness ...	1016·9	43	NW	3	b	1020·3	*	41	-2	WNW	5	–	oe	3	1	48	41	c	c.bc.b	b.bc.c.o	0·9
	Stornoway ...	1019·3	46	NNW	3	c	1023·6	+1	41	+1	W	2	–	ofe	2	0·2	50	40	bc	bc.c	cdp.ofe	7·2
	Castlebay (Barra Isd.)	1019·7	46	NW	3	b	1024·5	+1	42	-2	NNW	2	–	of	2	0·1	49	41	c.bc	c.b	bcpf	9·1
	Glasgow ...	1017·7	46	ESE	1	c	1023·7	+2	36	-6	SW	1	NE	bcge	*	0·1	52	35	bc.c	bc.c	c.bc.bc	4·3
	Eskdalemuir ...	1017·9	43	NNE	3	bc	1024·3	+2	33	-7	–	0	NW	c	*	1	46	32	or.o	o.cd	o.bc.c	1·8
	Malin Head ...	1019·7	45	NNE	3	bcm	1024·8	+1	43	0	NE	2	–	om	2	–	49	42	bcm	bcm	omd	6·4
	Blacksod Point	1022·2	45	NNW	4	bc	1026·3	+2	42	-2	NNW	2	N	cfe	2	Trace	48	40	cp	bc	bc	*
	Valencia ...	1018·9	48	NNW	6	b	1025·4	+3	43	-3	N	1	–	cv	3	1	51	43	cp	bc	bc	7·0
	Roche's Point	1018·4	48	NNW	4	c	1025·0	*	40	-6	NNE	2	NE	b	1	1	52	39	cpq	cpq	c.b.	*
	Birr Castle ...	1018·2	49	NW	2	c	?1026·1	*	35	-9	N	1	–	f	*	1	50	33	c.op	o.c	cf	3·2
	Donaghadee ...	1016·4	45	N	4	bcm	1024·3	+3	39	-4	WNW	2	–	bcmw	1	0·4	47	37	bcmp	bcm	bm.bcw	*
	Liverpool (Bidston)	1016·1	42	NW	1	o	1023·8	+3	40	-3	NNE	1	–	b	1	–	47	40	c.o	c.o	bc	1·0
	Holyhead ...	1016·4	46	N	4	bz	1023·5	+3	41	-3	N	1	–	bmw	0	0·1	50	40	c.o.om	o.c.bcb	bmow	4·2
	Pembroke (St. Ann's)	1015·2	47	N	2	c	1023·4	+3	41	-5	NE	2	–	bm	1	1	48	40	odqp	c	b	2·7
	Scilly (St. Mary's)	1013·6	46	N	4	cqp	1020·4	+5	46	-2	E	3	E	o	4	1	49	45			bcp.c	0·8
	Falmouth ...	1014·4	45	N	4	r	1022·0	+6	46	-1	NE	2	–	o	2	1	51	44	c.o	o.cp	cr.or.o	1·0
	Jersey (St. Aubin)	1013·2	48	WSW	3	omdp	1020·5	*	46	0	E	3	–	ome	2	3	49	45	ofemd	rje.dp	ome	0·0
	Portland Bill ...	1012·7	47	W	2	c	1020·6	+4	42	-3	NE	3	–	om	3	1	48	42	bcp	bc.c	fe.o	*
	Dungeness ...	1014·8	45	SW	2	c	1021·0	+3	44	+2	W	1	–	og	1	–	46	41	bc.o	o.bc	bc.of	*
	Dover ...	1015·1	44	S	2	c	1021·7	0	44	+3	NW	2	–	oz	2	–	48	40	c.bc	bc.c	om.f	1·7
	Wick ...	1017·3	44	WNW	1	bc	1021·3	+1	42	+2	WNW	3	–	m	3	0·2	50	37	bc	bc	om.map	*
	Nairn ...	1017·9	45	W	1	cg	1022·4	*	41	+1	W	1	–	bc	2	0·1	52	39	cg.bc	cp	g.c.bc	4·3
	Aberdeen ...	1017·7	47	NNW	1	c	1022·3	+2	43	+1	NW	3	–	o	2	–	52	42	o.bc.o	bc.c	c.o	4·2
	Leith ...	1017·5	46	SE	1	c	1023·1	+2	39	-6	W	2	N	bcg	*	–	49	37	o	c	o	*
	Tynemouth ...	1016·2	43	NW	2	om	1022·0	+2	43	0	NW	2	NW	cm	2	3	50	42	cm	cm	cm	*
	Spurn Head ...	1013·8	43	SSW	1	f	1022·3	+4	42	-1	N	4	–	of	4	–	45	40	om.f	f	f	0·0
	Yarmouth ...	1015·8	43	–	0	cm	1021·2	+3	43	+2	W	1	–	cm	1	–	49	40	f.cm	cm	cm	0·4
	Clacton-on-Sea	1014·1	44	SSE	1	ogme	1020·6	+4	43	+1	N	2	N	ogme	0	0·4	48	40	cm	c.ogmd	ogme	0·4
	Nottingham ...	1015·2	47	E	1	o	1022·7	*	44	+1	N	1	N	cm	*	3	50	41	omr	om	o	0·0
	Bath ...	1014·1	48	ENE	2	o	1022·9	*	38	-7	NW	1	–	m	*	2	51	35	or	or	bc.b.om	0·1
	London (Kew Obsy.)	1014·6	48	SSE	1	om	1022·0	+3	41	-1	–	0	–	fw	*	1	51	38	om.omd	omd.com	ofg.fw	0·0
Iceland, Faeroe, &c.	Spitsbergen ...	1004·6	16	S	2	o	1004·7	+1	-17	-6	SE	2	*	b	*	*	16	-17				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	1003·1	21	NE	4	o	1003·3	-2	21	-4	–	0	–	r	2	*	27	16				
	Bodö ...	1005·6	37	WSW	4	c	10061	0	37	0	WSW	2	–	o	2	4	37	32				
	Christiansund	1010·9	32	W	2	r	1012·6	0	39	-2	–	0	–	f	4	19	41	32				
	Skudesnaes ..	1014·0	41	–	0	f	1015·3	0	39	+2	N	1	–	f	1	–	41	37				
	Færder (X'tania Fjord)	1010·6	30	–	0	f	1010·9	0	30	0	–	0	–	m	0	–	34	30				
	The Scaw (Skagen)	1009·9	36	–	0	f	1010·0	0	32	-5	–	0	–	f	0	Trace	39	32				
	Blaavands Huk	1015·4	37	WNW	1	f	1014·6	0	37	0	NW	3	–	f	2	–	39	36				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1016·2	41	SSW	1	m	1019·8	+1	41	+2	W	1	–	m	1	Trace	41	39				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1015·1	43	SSW	4	m	1020·3	+2	43	+2	WSW	1	*	m	2	Trace	46	41				
	La Hève ...	1012·8	44	SSW	3	m	1021·1	*	41	0	E	2	*	m	2	–	46	39				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1013·9	48	WNW	2	r	1019·4	+5	45	+4	E	2	*	o	2	3	50	41				
	Rochefort (Ile d'Aix)	1017·5	46	WSW	3	r	1018·3	+3	42	-2	ESE	3	*	m	*	4	50	41				
	Biarritz ...	1019·7	46	NW	2	o	1015·1	0	41	0	E	2	*	c	1	1	48	41				
	Paris ...	1016·7	43	–	0	o	1021·0	+4	37	+1	–	0	–	f	*	–	46	36				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	1009·3	42	–	0	b	1016·7	+3	41	+2	E	4	*	b	3	–	54	36				
	Perpignan ..	1016·4	48	NW	2	bc	1016·7	+1	34	-7	–	0	–	b	*	–	52	32				
	Sanguinaire ...	1009·2	49	N	2	b	1011·7	*	49	+8	E	3	*	m	5	–	63	37				
Southern Europe.	Corunna (7 a.m.)	1023·5	50	NNE	6	o	1011·4	0	45	+4	SSW	2	–	o	3	5	52	41				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1024·5	*	SSE	5	o							*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECAST FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1; 2 a, b	North-Westerly to Westerly winds, light or moderate; mostly fair, some mist or fog locally; moderate temperature.
3; 4 a, b; 5	Wind light from some Northerly point; a good deal of cloud, with some mist or fog locally, then brighter; moderate to rather lower temperature.
6 a, b	Same as Nos. 0 to 2.
7 a, b; 8 a, b	Wind light between North and East; mostly fair or fine, some mist locally; moderate or rather low temperature.
9 a, b; 10 a, b	Wind light, Northerly to variable; fair generally, mist locally; moderate or rather low temperature.
Western Channel and Bay 11	Easterly and North-Easterly winds, light or moderate; sea slight; some mist otherwise fair.

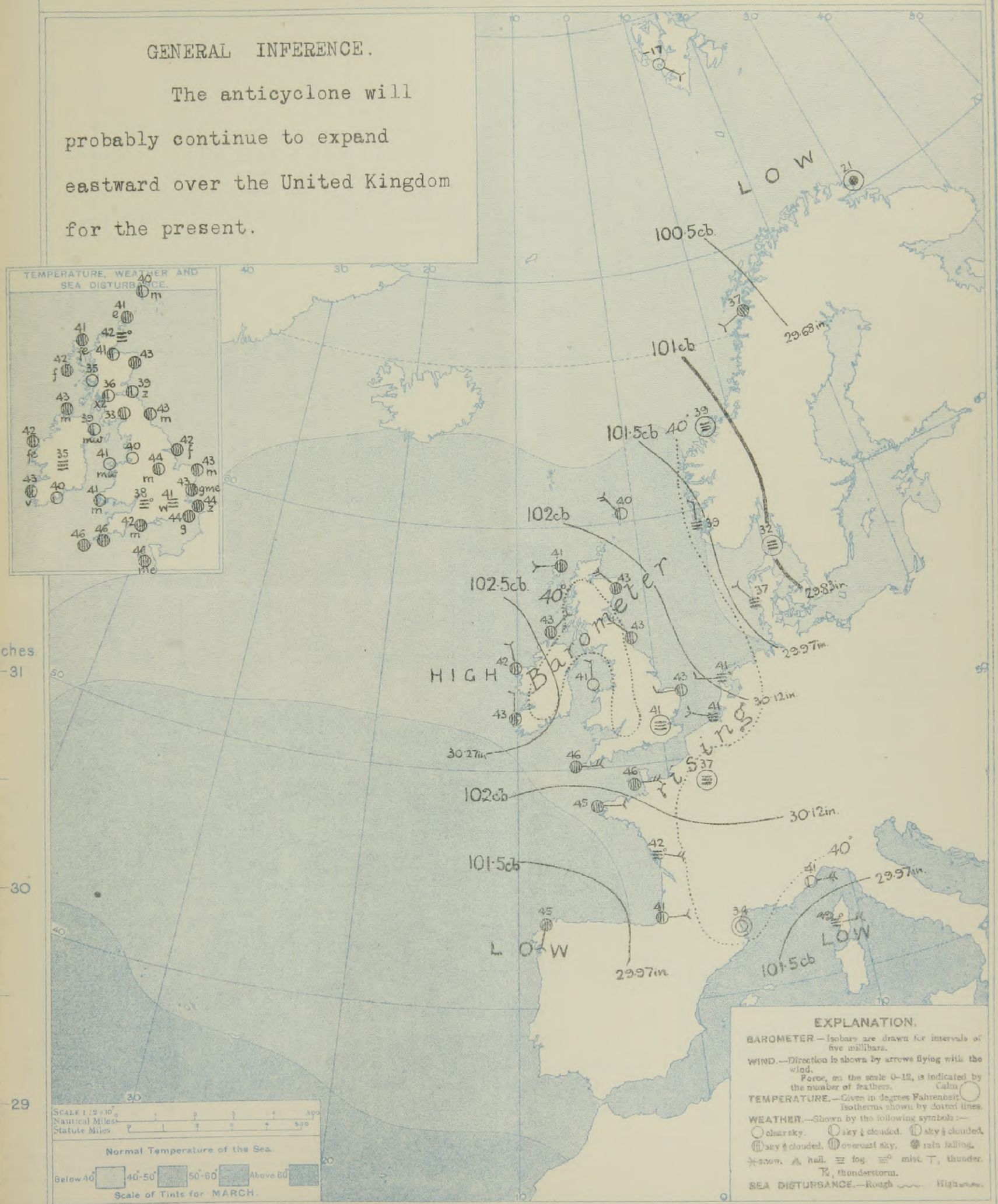
Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 12TH MARCH, 1915.



DAILY WEATHER REPORT. Friday, 12th March, 1915.

REPORTS FOR YESTERDAY.

11th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Biarritz	1027·3	43	NNE	3	b	1026·3	0	41	+9	SSW	2	*	o	1	–	45	32
Belfort	1024·6	28	E	2	o	1022·0	*	27		W	2	*	s	*	?	33	27
Madrid	1021·9	43	N	4	b	1026·3	0	34		SE	1	–	b	*	–	45	28
Lisbon	1019·8	55	NNE	4	b	1021·9	0	43	0	NNE	4	–	b	5	–	55	41
Horta	.	.	.	.	.	1025·2	0	58		SSE	5	*	c	4	–	63	57
Funchal	1019·7	61	NE	3	o	1020·4	+1	57	+2	NE	3	–	o	3	–	64	55

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	3	50	37	bc	bc	5·5
	Banff	3	49	40	bc	bc	6·9
	St. Andrews	–	50	42	*	*	1·3
Eng. N.E.	Harrogate	4	49	41	o.c.o	or.o	0·2
	Scarborough	*	50	42	of	of	0·2
	Skegness	0·3	46	39	d.o	o	0·0
Eng. N.W.	Morecambe	3	52	41	bc	bc	4·3
	Blackpool	5	48	42	or.c.b.	b.bc	5·2
	Southport	4	49	41	or.c	o.c	2·7
Midlands.	Buxton	3	44	34	cr.o	or.c	0·1
	Leamington Spa	–	51	40	o	o	0·7
	Malvern						
	Ross-on-Wye	3	51	39	bc.c.or	c.or	1·3
Wales.	Rhyl	1	46	42	c.o.c	c.bc	1·1
	Colwyn Bay	–	48	42	bc	bc	2·4
	Llandudno	1	48	38	o	c	2·2
	Aberystwyth	6	46	43	r.c	c.cd	0·8
	Tenby	2	50	37	bc.o	o.bc	1·7
	Swansea	6	50	45	r.d.	bc	1·8
England. E.	Cromer	0·3	50	41	o.c	o.c	0·7
	Lowestoft	–	49	38	c.bc.c.o	o.c	0·6
	Felixstowe	–	50	37	om	om	0·5
	Walton-on-Naze	1	47	38	op	o.cm.od.	0·5
	Southend-on-Sea	0·3	49	39	p.o.c.bc	bc.o.c	0·4

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	0·3	47	38	op.o	op.om	0·0
	Margate	1	49	38	o	o.cz	0·4
	Ramsgate	0·3	50	39	o	o	0·3
	Folkestone	–	48	35	o.bc	bc.o	1·1
	Hastings	–	45	39	o	o	0·0
	Bexhill-on-Sea	1	45	40	om	om	0·0
	Eastbourne	0·3	47	40	o	om	0·0
	Seaford	1	46	39	m	m	0·0
	Brighton	2	45	38	od.o	d.o	0·0
	Worthing	2	47	39	d.bc	r.bc	0·0
	Littlehampton	2	46	*	o	o.om	0·0
	Bognor	2	46	39	od	omd	0·0
	Southsea						
	Bournemouth	1	48	40	d.o	o.c	0·7
England, S.W.	Weymouth	2	56	42	o.c	bcr.o	2·5
	Torquay	5	53	43	c	r.bc.c.o	1·4
	Paignton	8	56	41	o.bc	bc.or	1·4
	Falmouth	1	51	45	c.o	o.cp	1·0
	Penzance	5	52	45	omr	cr	1·7
	Newquay	4	47	44	ofp	o.cw	0·2
	Ilfracombe	4	47	43	of.o	cp.c	0·0
	Weston-super-Mare	1	50	42	m.bc	bc.b	2·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	86	94	0·0	50	40	29	1	o	o	o.of
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	80	91	0·0	50	41	36	1	or.oe	oe	ofz
Camden Sq. (Brit. Rainfall)	78	92	0·0	50	40	33	1	od.o	o	*
Hampstead (Reservoir)	*	96	0·0	47	39	27	1	omd	om	om.
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	82	90	0·0							

Vertical Component of Solar Radiation per square centimetre during yesterday.

Total.	Average Rate.	Max. Rate.
291 Joules	7·0 Milliwatts.	21 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester ,,	4	48	41	*	or.d	or	o	0·0
Birmingham ,,	1	51	40	38	r	o.c	o	1·2
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	60	41	34	odm	ogm	ogm	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

12th & 13th March 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.18 / 6.16	12.3	5.48 / 5.50
Greenwich	6.24 / 6.22	12.10	5.56 / 5.58
Wick	6.41 / 6.38	12.22	6.3 / 6.5
Valencia	7.8 / 7.3	12.51 / 12.51	6.37 / 6.39

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 50° in many parts of the Kingdom, touching 56° at Paignton. Slight rain fell in most localities, and there was little bright sunshine except in the Irish and Scottish districts.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 72. Saturday, 13th March, 1915.

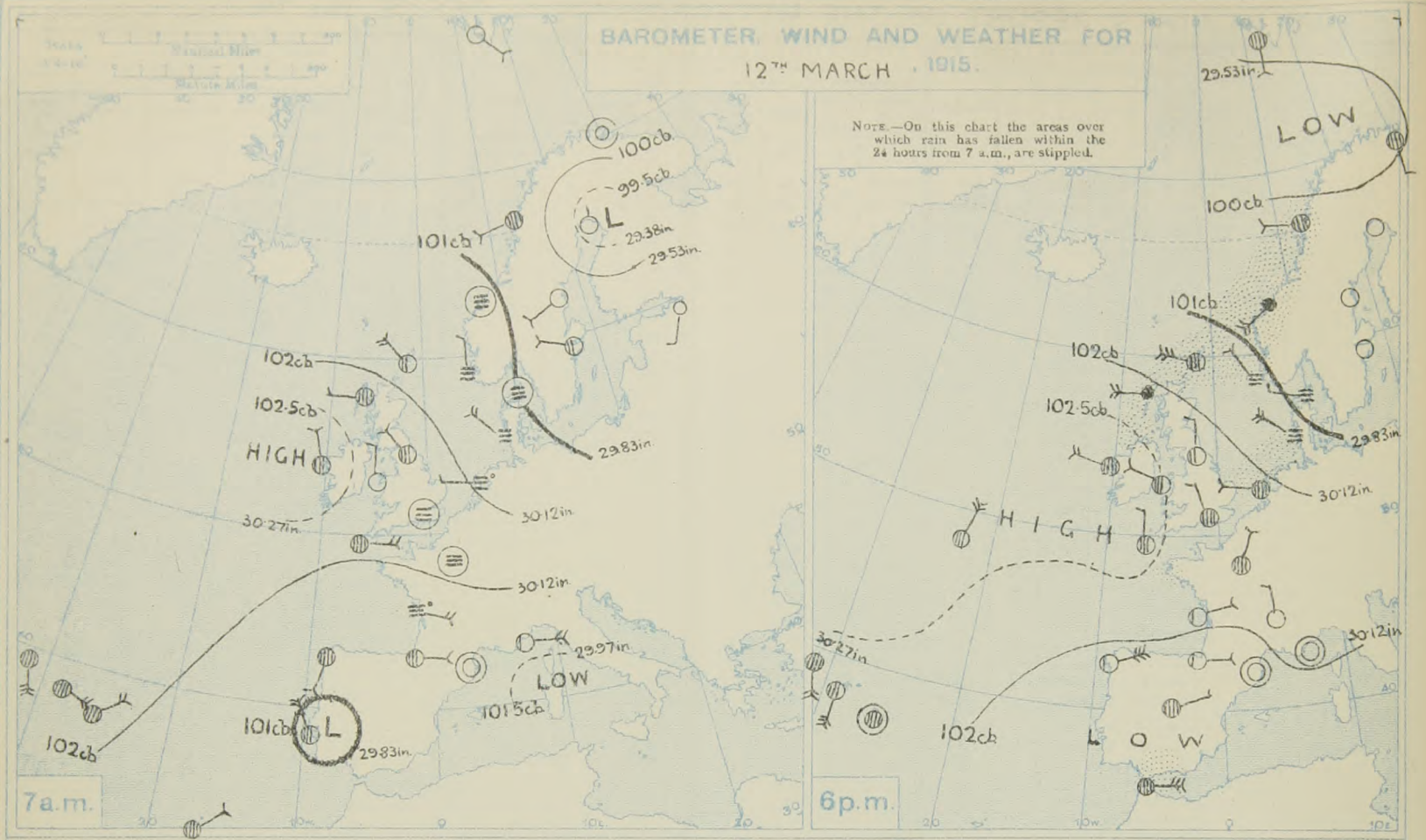
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1012.9	45	WNW	5	cm	1010.9	-1	45	+5	NW	5	-	om	4	1	46	39	cm	cm	om	*
	Deerness ...	1017.3	44	W	6	odm	1014.5	*	45	+4	WNW	6	-	fe	4	1	46	41	oc.c.o	od	odm.fe	0.6
	Stornoway ...	1022.6	46	W	4	odp	1018.8	-2	47	+6	W	4	-	ofq	3	1	52	40	om.bc.c	c.odp	odp.fq	2.8
	Castlebay (Barra Isd.)	1024.5	46	W	3	odm	1021.5	-1	47	+5	WSW	3	-	om	3	03	48	41	o.bm	bm.dm	d.om.	2.4
	Glasgow ...	1023.3	46	W	3	c	1021.1	-1	45	+9	SW	3	NW	c	*	-	51	36	bc.b	b.bc.c	c.b.bc.c	6.1
	Eskdalemuir ...	1022.9	46	W	1	cq	1021.5	+2	38	+5	SE	1	NW	b	*	-	56	32	cx.bc	bc.c	bcq	7.1
	Malin Head ...	1026.5	44	SW	4	fe	1024.2	-1	44	+1	W	4	-	ogm	3	0.4	46	42	fe	fe	og	0.5
	Blacksod Point	1028.6	45	WNW	3	of	1026.5	0	42	0	WSW	1	-	fe	1	-	46	42	bc	of	fe	*
	Valencia ...	1027.7	49	NNW	2	b	1027.4	0	39	-4	-	0	N	ow	3	-	52	34	bc	c.b.	c.b.	9.1
	Roche's Point	1027.6	47	SSE	1	b	1026.9	*	44	+4	N	2	NE	c	1	0.1	51	40	b.bc	c.b	b.bc.c	*
	Birr Castle ...	1027.7	48	N	1	c	1027.5	*	43	+8	NW	1	-	o	*	-	52	35	o.c	c	o	3.4
	Donaghadee ...	1024.8	45	NNW	3	cs	1023.9	+1	44	+5	NW	4	NW	cg	3	-	48	39	bcm	cg	bcm.bc	*
	Liverpool (Bidston)	1025.4	42	WNW	2	o	1023.3	-2	42	+2	WNW	4	W	o	3	-	47	40	c.b.	b	o	4.8
	Holyhead ...	1025.5	45	NW	2	cg	1024.3	0	43	+2	NW	5	-	omgq	4	Trace	47	40	b.bc.of	fe.bc.c	c.om	5.4
	Pembroke (St. Ann's)	1026.2	41	N	2	f	1025.8	0	40	-1	W	1	-	f	1	-	51	39	bm	bm	f	6.1
	Scilly (St. Mary's)	1025.7	47	N	1	cm	1025.9	-1	44	-2	NNE	2	-	om	3	-	51	43	c	c	cm.fom	2.5
	Falmouth ...	1025.6	47	NNW	1	b	1025.9	+1	41	-5	NW	2	-	o	1	-	60	40	o.c.bc	bc.bg	b.bc.c.o	4.0
	Jersey (St. Aubin)	1024.0	47	N	3	c	1024.7	*	44	-2	NNW	2	-	fe	1	-	53	40	ome.o.c	b.bc	bw.fe	5.0
	Portland Bill ...	1024.4	49	N	1	o	1024.2	0	42	+1	-	0	-	f	1	-	49	41	of	o	of	*
	Dungeness ...	1023.5	47	E	1	o	1022.4	-1	42	-2	W	2	-	ogq	2	-	51	41	of.c	c.o	o.bm	*
	Dover ...	1022.8	45	NNW	2	c	1022.7	?	44	0	W	2	W	bc	2	-	52	40	go.c.bc	bc.c	c.o.c.bc	0.6
	Wick ...	1019.2	46	WNW	3	bc	1015.9	0	48	+6	WNW	3	-	o	3	0.2	54	41	mod.bc	bc	bc.omd	*
	Nairn ...	1020.9	50	W	2	bcv	1018.4	*	49	+8	W	4	-	cg	3	-	55	40	bc	bcv	bcq	4.6
	Aberdeen ...	1020.3	54	W	2	bc	1016.6	0	51	+8	W	5	NW	c	1	-	57	43	o.c.b	b.bc	b.bc	5.2
	Leith ...	1021.3	52	WSW	2	bc	1019.8	0	46	+7	WSW	3	N	bc	*	-	56	38	cg.bg	b.bc	bc.b.	*
	Tynemouth ...	1022.0	45	N	1	bcm	1019.0	0	43	0	NW	3	N	cm	3	-	49	42	cm	cm	cm.	*
	Spurn Head ...	1022.3	44	NW	2	o	1020.5	-1	41	-1	NW	5	-	m	4	-	46	39	cm.	o	o.bc	0.0
	Yarmouth ...	1023.2	45	NW	1	om	1020.0	-2	39	-4	W	3	W	cm.	1	0.2	46	37	c.wf r	om	om.bcm	0.0
	Clacton-on-Sea	1022.6	48	NW	1	o	1020.8	-1	39	-4	WNW	2	NW	cm.	1	-	49	38	ogm	otr.o	o.c	0.5
	Nottingham ...	1023.7	50	W	2	o	1021.3	*	43	-1	W	3	W	cm	*	-	51	38	c.om	om	om c.b	0.0
	Bath ...	1024.5	50	N	1	o	1024.5	*	38	0	NW	1	-	m	*	-	52	36	om	o.cm	om.	0.3
	London (Kew Obsy.)	1024.3	47	NNW	1	om	1023.2	0	38	-3	WSW	1	N	bcm	*	Trace	50	38	fw.om.o	o.od.o	o.bc.om	0.1
ICELAND, FAEROE, &c.	Spitsbergen ...	1001.5	-8	S	2	o	995.7	-8	7	+24	N	1	*	s	*	*	7	-26				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...	998.1	23	S	1	o	998.4	0	25	+4	ESE	1	-	o	2	*	25	18				
	Bodö ...	1001.5	34	W	2	o	995.0	-3	34	-3	E	3	-	bc	2	1	37	32				
	Christiansund																					
	Skudesnaes ..	1013.2	39	NNW	2	f	1007.7	0	41	+2	N	4	-	f	2	8	41	39				
	Færder (X'ania Fjord)	1007.4	36	WSW	1	o	1001.2	0	34	+4	NNE	1	-	o	1	-	36	30				
	The Scaw (Skagen)	1009.3	34	W	1	f	1000.8	+2	36	+4	W	1	NW	bc	2	-	37	30				
	Blaavands Huk	1014.4	39	NW	4	f	1007.8	-5	39	+2	WNW	3	-	r	3	2	43	36				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1021.3	41	W	2	o	1017.7	-2	43	+2	W	3	-	c	2	Trace	43	41				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1023.8	44	ENE	3	m	1022.4	0	44	+1	W	4	*	c	2	-	50	43				
	La Hève ...	1025.0	44	N	2	m	1023.5	*	41	0	WSW	2	*	m	2	-	48	39				
	Ushant ...	1025.0	46	NE	4	b	1025.0	*	46		NE	3	*	c	3	-	50	41				
	Brest (St. Mathieu)	1024.7	49	ENE	2	o	1025.9	0	41	-4	ENE	2	*	m	2	1	55	39				
	Rochefort (Ile d'Aix)	1020.3	50	ENE	2	b	1022.9	+1	45	+3	ENE	3	*	b	*	-	55	42				
	Biarritz ...	1017.1	52	E	2	b	1019.7	0	39	-2	SE	2	*	b	1	-	54	37				
	Paris ...	1022.6	48	NNE	1	o	1023.8	0	43	+6	-	0	-	o	*	-	54	37				
	Belfort ...							*					*		*							
	Lyons ...	1023.1	37	N	1	b	1025.7	*	28		WSW	1	*	b	*	-	41	27				
	Nice ...	1020.4	43	-	0	b	1022.1	+1	43	+2	-	0	*	b	2	-	54	36				
	Perpignan ...	1019.0	46	-	0	b	1022.3	+2	43	+9	-	0	-	o	*	-	54	34				
	Sanguinaire ...	1016.2	51	S	3	f	1016.2	*	50	+1	E	2	*	m	3	-	61	41				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013.3	54	ENE	6	b	1017.3	0	48	+3	NE	1	-	b	3	-	55	46				
	Madrid (8 a.m.)	1013.7	43	ENE	1	o	1020.0	+3	41		ENE	2	SW	c	*	-	46	37				
	Lisbon (9 a.m.)																					
	Gibraltar ...	1013.2	55	E	5	o	1008.8	*	54		E	7	*	or	3	5	60	50				
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1021.6	*	S	5	c							*									
	Madeira (Funchal)																					

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

RAINFALL.

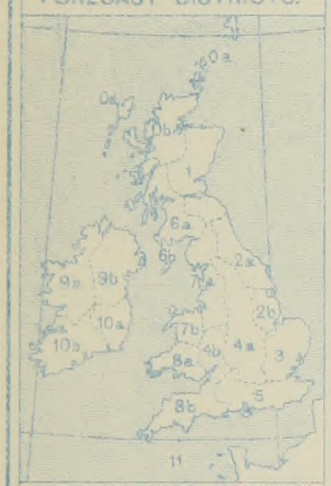
Equivalents of Millimetres, in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay 11

0 a, b; 1; 2 a, b — North-Westerly winds, light or moderate, fresh in places; sky rather variable, considerable fair periods, some mist locally; moderate temperature.

3; 4 a, b; 5 — Wind Westerly to North-Westerly, light or moderate; sky rather variable, considerable fair periods, some mist locally; moderate temperature.

6 a, b — North-Westerly and Westerly winds, light to fresh; mostly fair, some mist or fog locally; moderate temperature.

7 a, b; 8 a, b — Northerly and North-Westerly winds, light or moderate; mostly fair, some mist or fog locally; moderate temperature.

9 a, b; 10 a, b — Wind light, mainly between North and West; mostly fair, some mist or fog locally; moderate temperature.

11 — Northerly and North-Westerly winds, light; some mist, otherwise fair.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

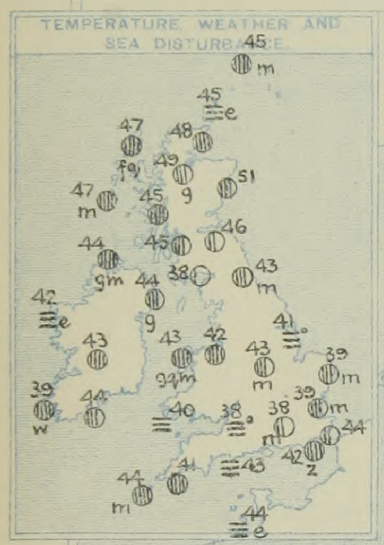
R. G. K. LEMPFERT, Superintendent, Forecast Division.

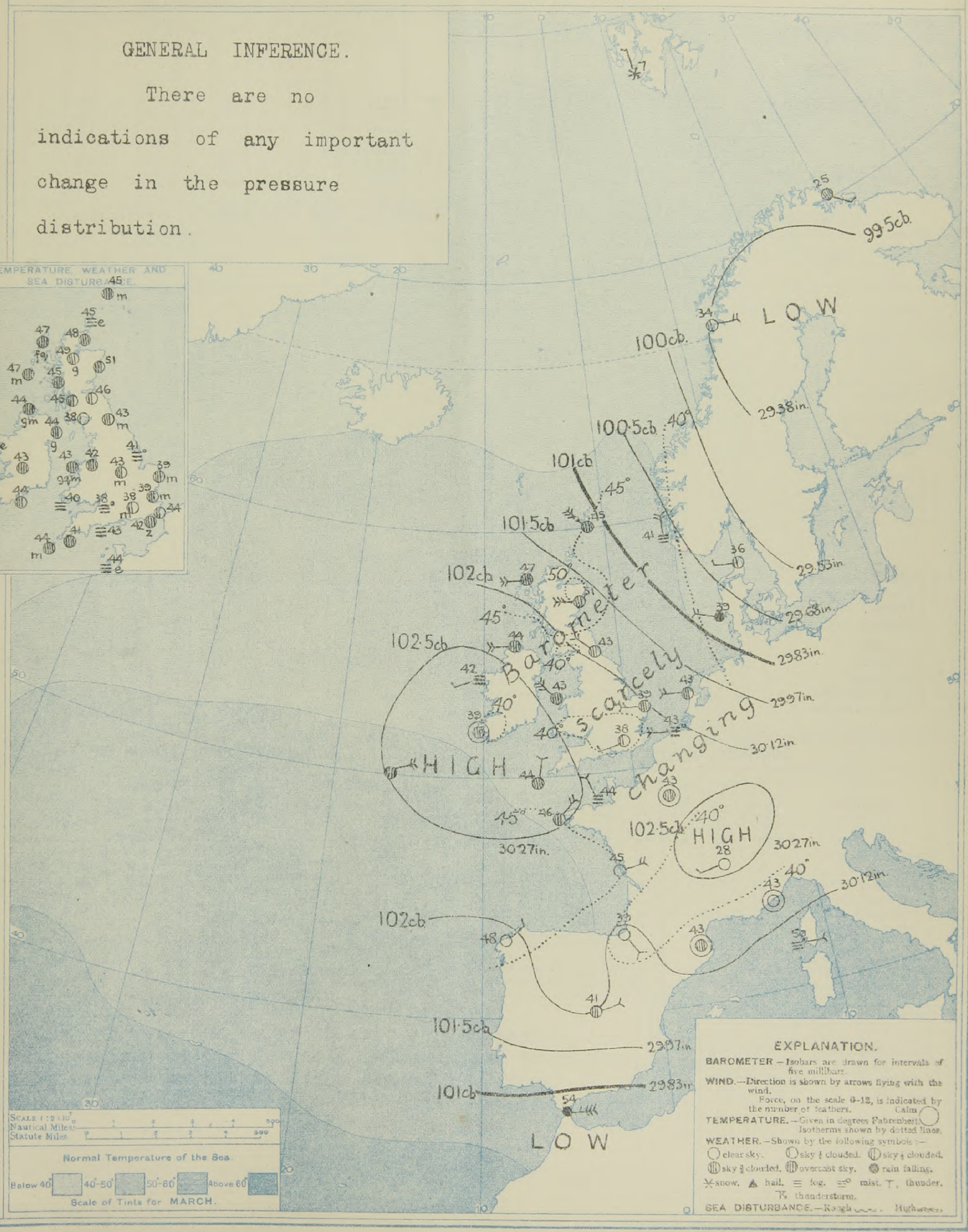
W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 13TH MARCH, 1915.

GENERAL INFERENCE.

There are no indications of any important change in the pressure distribution.





DAILY WEATHER REPORT. Saturday, 13th March, 1915.

REPORTS FOR YESTERDAY.

12th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1001·7	23	N	2	bc	993·1	0	10	-15	N	2	–	b	*	–	30	3
Hernösand	1004·7	37	–	0	b	1008·3	+1	25	-9	SW	2	–	b	*	–	43	25
Stockholm	1006·6	34	WSW	2	0	1007·0	0	30	0	WNW	2	–	bc	*	–	36	28
Visby	1009·5	34	SW	6	0	1006·6	0	32	+4	NW	2	–	f	*	Trace	36	28
Karlstad	1010·0	36	–	0	0	1009·5	?	34	0	–	0	–	c	*	1	37	36
Petrograd	1009·5	21	SSW	3	r	1005·3	+3	19		SSW	1	–	r	*	1	27	9
Lisbon	1017·3	57	N	4	b	1009·9	-4	48	+5	NNW	3	–	c	5	–	59	43
Horta	.	.	.	.	.	1023·9	0	57	-1	ESE	4	*	0	3	–	59	57
Funchal	1018·6	61	?	?	0	1017·2	-1	60	+3	NE	2	N	0	3	–	64	57

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall. mm.§	Temperature Max. °F.	Temperature Min. °F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
Scotland	Oban	–	48	34	bc	bc	2·7
	Banff	–	54	42	bc	bc	4·8
	St. Andrews	–	58	35	*	*	8·2
Eng., N.E.	Harrogate	–	50	40	o.c	o	0·1
	Scarborough	*	48	42	of	of	0·0
	Skegness	0·3	48	42	op.o	og	0·0
Eng., N.W.	Morecambe						
	Blackpool	–	48	38	bc.b	bc.m.c	2·1
	Southport	–	47	37	o.c.bc.b	cm.o.c.o	2·0
Midlands	Buxton	–	47	39	bc	bc	0·4
	Leamington Spa	–	50	38	om	om	0·0
	Malvern	–	50	36	c	c	1·1
	Ross-on-Wye	–	52	38	of	ogm	0·9
Wales	Rhyl	–	48	35	b	bc	8·7
	Colwyn Bay	–	51	36	bc	bc	7·3
	Llandudno	–	51	35	b	b	7·4
	Aberystwyth	–	47	35	r.o.c	c.bc	5·5
	Tenby	–	53	35	b	bc.	6·5
	Swansea	–	50	40	bf	bc.b.	3·7
England, E.	Cromer	0·3	44	40	m.o.c	o.c	0·0
	Lowestoft	–	46	41	op	o.c.o	0·0
	Felixstowe	1	49	41	c	c	0·0
	Walton-on-Naze	–	49	40	c.om	cm.bc	0·5
	Southend-on-Sea	0·3	50	43	o	o	0·0

	STATIONS.	Rainfall. mm.§	Temperature Max. °F.	Temperature Min. F.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	–	55	43	m.o.bc	c.og.om	1·7
	Margate	–	48	42	c	c	1·1
	Ramsgate	–	49	41	m.o.c	o	1·7
	Folkestone	–	52	43	o.bc	bc.o	1·1
	Hastings	1	52	42	f.m	o	0·0
	Bexhill-on-Sea	0·3	52	39	c	bc	2·0
	Eastbourne	–	51	43	f.m	of.m.	0·0
	Seaford	–	54	41	c	c	0·3
	Brighton	–	51	43	m.o	o	0·1
	Worthing	–	53	44	c	c	0·2
	Littlehampton	–	51	*	c	c	0·0
	Bognor	–	52	43	o	o	0·3
	Southsea	2	52	39	o	o	0·0
	Bournemouth	2	52	39	o	o	0·1
England, S.W.	Weymouth	0·3	53	42	m.o.bc	bc.cm	2·3
	Torquay	3	53	44	o	c.bc.b	3·9
	Paignton	1	51	44	o.bc	bc.bm	2·8
	Falmouth	0·3	50	43	o.c.bc	bc.bz	4·0
	Penzance	3	50	44	ov	b.	3·6
	Newquay	–	49	42	bv.bc	bz	7·0
	Ilfracombe	–	51	43	z.b	bz	6·0
	Weston-super-Mare	1	51	41	m.bc	bc.bm	1·0

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday. %	Humidity 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature (24 hours ended 9 A.M. To-Day.) In Screen Max. °F.	In Screen Min. °F.	Min. on Grass. °F.	Rainfall. mm.§	Weather Forenoon.	Weather Afternoon.	Weather Night.
Greenwich (Royal Obsy.)	77	86	0·1	49	38	31	–	o	o	o.cm
City (Bunhill Row)	*	*	0·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	76	87	0·0	50	37	30	–	o	oe.bc	bc.
Camden Sq. (Brit. Rainfall)	78	84	0·2	50	37	32	–	o	c.o	*
Hampstead (Reservoir)	*	91	0·0	48	34	24	–	o	bcx	o
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	73	84	0·0							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
350 Joules	8·4 Milliwatts.	23 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm.§	Temperature In Screen Max. °F.	Temperature In Screen Min. °F.	Temperature Night Min. on Grass. F.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	Trace	52	35	35	bcf	f.o.c.	c.b.	*
Darwen to 9 p.m.	–	52	39	36	og	g.bc	bc.o	3·3
Manchester ,,	–	53	43	*	o	oc.bc	bc.o	1·3
Birmingham ,,					*			
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	0·3	53	43	41	ep	o.c.bc	bc	3·1
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	Trace	50	42	34	f.om	om.o	odm.om	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

13th & 14th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.16 / 6.14	12.3 / 12.3	5.50 / 5.52
Greenwich	6.22 / 6.19	12.10 / 12.10	5.58 / 5.59
Wick	6.38 / 6.35	12.22 / 12.22	6.5 / 6.6
Valencia	7.3 / 7.0	12.51 / 12.51	6.39 / 6.41

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to above 50° over a large portion of the Kingdom, touching 57° at Aberdeen and 58° at St. Andrews. Bright sunshine was very prevalent in Wales, several parts of Scotland and the extreme south-west of Ireland and England.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 73

Sunday, 14th March, 1915.

Date.	Stations.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	This Morning 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1010·8	46	NW	5	fd	1014·4	+1	43	-2	NW	5	-	cm	4	1	47	40	f	f	cm	*
	Deerness ...	1013·2	45	W	7	m	1018·3	*	45	0	W	6	NW	cf	4	1	47	44	fe	fe.o	f c	0·0
	Stornoway ...	1020·4	49	W	5	cq	1022·0	0	47	0	W	5	-	odpq	4	0·4	50	46	od p	od p. c	c odpq	0·1
	Castlebay (Barra Isd.)	1022·9	49	W	4	b	1024·3	0	47	0	W	3	-	d	3	0·4	51	46	om op	op. bc. b	b. opd	0·8
	Glasgow ...	1021·3	50	WSW	3	c	1023·1	+1	45	0	WSW	2	N	bc	*	-	53	44	c. o. c	c	bc. b bc	0·7
	Eskdalemuir ...	1021·3	48	WNW	1	cq	1024·1	+2	33	-5	NW	1	NW	co	*	-	52	32	b. o. c	co	bq	5·0
	Malin Head ...	1025·1	46	W	3	fe	1025·9	0	45	+1	WNW	3	-	omd	4	0·4	47	43	cmq	f	omd	0·0
	Blacksod Point	1028·3	47	WNW	3	cm	1029·2	0	45	+3	NNE	2	NE	om	2	1	49	41	bcm	cm	cm	*
	Valencia ...	1026·4	50	NW	3	b	1028·1	0	42	+3	-	0	-	0	3	-	53	36	c. b	v	c. b	9·9
	Roche's Point	1027·5	51	NW	2	b	1027·7	*	47	+3	NW	1	-	0	1	-	56	43	c. o. b	b	b. o	*
	Birr Castle ...	1027·4	50	W	1	0	1028·2	*	46	+3	NW	1	-	T	*	3	50	42	od	o	o. e. d	0·0
	Donaghadee ...	1023·7	50	W	4	ogm	1024·8	+1	46	+2	WNW	4	W	cgm	?	-	50	43	ogm	ogm	cg. bcm	*
	Liverpool (Bidston)	1022·9	44	W	5	0	1024·9	+1	43	+1	WNW	3	W	bc	3	-	47	42	o. c	o. c	c. b	0·3
	Holyhead ...	1024·7	48	WNW	4	odm	1025·9	+1	46	+3	NNW	3	-	0	2	-	49	42	o. cd. bc	o. c. om	o. b. o	0·8
	Pembroke (St. Ann's)	1025·9	45	WNW	1	c	1025·0	0	46	+6	NE	3	-	c	3	0·1	47	40	b	bc	c	3·1
	Scilly (St. Mary's)	1024·9	46	NNW	2	om	1025·1	0	47	+3	N	3	N	c	3	-	52	44	cm	om	o. c	2·2
	Falmouth ...	1025·3	44	NNW	3	0	1024·8	0	46	+5	NNE	1	-	0	2	-	47	41	o c o	o	o	0·2
	Jersey (St. Aubin)	1024·5	46	WNW	3	0	1023·8	*	45	+1	WNW	2	-	om	1	-	49	43	ofe	ofe o. c	bc. om	0·5
	Portland Bill ...	1022·5	47	WNW	2	b	1023·0	0	46	+3	NNW	3	N	c	3	-	49	42	bcf	bc	b d. c	*
	Dungeness ...	1020·8	47	-	0	om	1021·8	0	39	-3	NW	2	NW	cm	3	-	52	38	bcz	bc. om	f. bcm	*
	Dover	1022·0	47	NW	2	b	1022·6	+1	45	+1	NW	4	N	b	2	-	?	42	bc b	b. bc bm	m b	5·5
	Wick	1015·7	50	W	3	0	1018·8	+2	44	-4	WNW	4	-	bc	3	1	54	42	om	om	omp. bc	*
	Nairn	1019·3	52	W	5	cgq	1021·3	*	49	0	W	2	-	bc	2	-	55	46	c. bcq	bcvq	c. bcq	3·0
	Aberdeen ...	1017·4	54	W	3	b	1020·3	+2	46	-5	S	1	NW	b	1	-	60	45	bc. c	bc b	bc. c. b	4·2
	Leith	1019·5	53	WSW	2	bc	1022·0	+3	46	0	WSW	3	W	b	*	-	58	45	bc	c. bc	b	*
	Tynemouth ...	1018·7	51	NW	2	bc	1022·2	+2	44	+1	NW	2	-	bc	2	-	55	43	c	bc	bc	*
	Spurn Head ...	1020·5	47	WNW	5	0	1022·3	0	43	+2	NW	3	-	bcm	4	-	52	39	m. bc	bc. om	bcm	4·3
	Yarmouth ...	1020·0	51	W	1	om	1022·2	+2	44	+5	W	2	W	cm	1	-	55	37	cm. bm	bm. cm	om. bcm	4·0
	Clacton-on-Sea	1020·2	52	W	1	ogm	1021·7	0	46	+7	NW	1	N	bcm	0	-	53	38	0	o. c. ogm	og. bcm	1·3
	Nottingham ...	1021·8	47	WNW	3	c	1023·3	*	37	-6	W	1	W	bm	*	-	53	37	c. bcm	cm	cm b	4·8
	Bath	1023·1	49	W	1	c	1024·0	*	47	+9	NW	1	NW	0	*	-	56	38	m. o. bc. b	bc. c	c. om	6·2
	London (Kew Obsy.)	1022·4	47	NW	2	c	1023·2	+2	44	+6	NNW	1	-	om	*	-	49	38	bcm. c o	o. c	b bc bm	1·2
ICELAND, FAEROE, &c.	Spitsbergen ...	986·4	23	S	9	S	980·2	-9	23	+16	SE	9	*	S	*	*	23	-26				
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1002·6	25	E	3	0	999·3	-2	23	-2	S	3	-	0	3	*	27	19				
	Bodö	996·2	37	SW	2	0	992·2	0	36	+2	SSW	5	-	bc	2	11	37	32				
	Christiansund	1002·1	43	SSW	5	T	1005·3	0	41		SSW	8	-	0	4	2	43	41				
	Skudesnaes ..	1009·6	41	N	2	f	1013·0	+3	41	0	NNW	4	N	c	2	2	43	39				
	Færder (X'iania Fjord)	1002·1	38	WSW	2	c	1005·9	+4	37	+3	-	0	N	b	1	-	39	34				
	The Scaw (Skagen)	1004·6	37	W	1	c	1006·0	+4	39	+3	NW	2	-	b	1	-	46	34				
	Blaavands Huk	1009·7	39	NW	3	f	1011·1	+2	39	0	NNW	3	-	f	3	1	43	37				
	Haparanda ...	1000·2	21	N	2	0	1000·7	-2	18	+2	SSE	4	-	0	*	-	25	14				
	Hernösand ...	997·9	34	S	2	0	999·9	0	32	+5	-	0	-	c	*	1	37	27				
	Stockholm ...	1000·2	36	W	2	0	1001·5	+2	37	+3	W	2	-	c	*	-	37	34				
	Wisby	1001·7	36	SW	2	0	1003·5	+2	36	+2	WSW	2	N	b	*	-	43	32				
	Karlstad	1002·4	39	-	0	bc	1005·6	+4	34	+2	-	0	-	b	*	-	48	30				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1017·5	43	NW	3	0	1018·4	+1	43	0	NW	3	-	c	3	-	45	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1021·3	46	W	2	c	1021·7	+1	43	-1	W	1	*	m	1	-	48	43				
	La Hève	1022·1	42	NW	2	0	1023·5	*	43	+2	NW	2	*	f	2	-	46	41				
	Ushant	1025·1	48	NE	4	0	1023·4	*	46	0	NE	3	*	0	3	-	52	41				
	Brest (St. Mathieu)	1025·5	50	ENE	2	m	1024·6	0	43	+2	NE	2	*	m	2	-	57	41				
	Rochefort (Ile d'Aix)	1022·6	52	NE	3	b	1022·0	0	41	-4	ENE	3	*	c	*	-	61	37				
	Biarritz	1019·0	55	E	2	b	1019·4	0	41	+2	-	0	*	b	1	-	59	39				
	Paris	1023·1	46	WSW	2	b	1022·9	+1	43	0	-	0	-	0	*	-	55	39				
	Belfort							*					*		*							
	Lyons	1023·6	45	N	1	b	1022·7	*	40	+12	NNW	3	*	bc	*	-	53	36				
	Nice	1019·8	46	E	1	c	1017·1	+1	46	+3	E	3	*	c	2	-	55	39				
	Perpignan ..	1021·5	48	-	0	b	1019·5	0	37	-6	-	0	-	b	*	-	57	34				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1015·1	55	ENE	6	b	1017·0	+1	46	-2	-	0	-	b	2	-	57	43				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1008·3	50	NNE	3	T	1011·4	+2	50	+5	ENE	3	-	0	6	13	54	45				
	Gibraltar							*					*									
	Rome	1021·2	48	SW	1	bc	1019·0	0	41	+7	N	1	-	c	*	-	54	41				
	Azores (Horta, 8 a.m.)	1012·3	*	SSE	5	0							*									
	Madeira (Funchal)	1009·5	63	N	3	c	1012·2	0	55	0	N	2	N	bc	2	Trace	64	54				

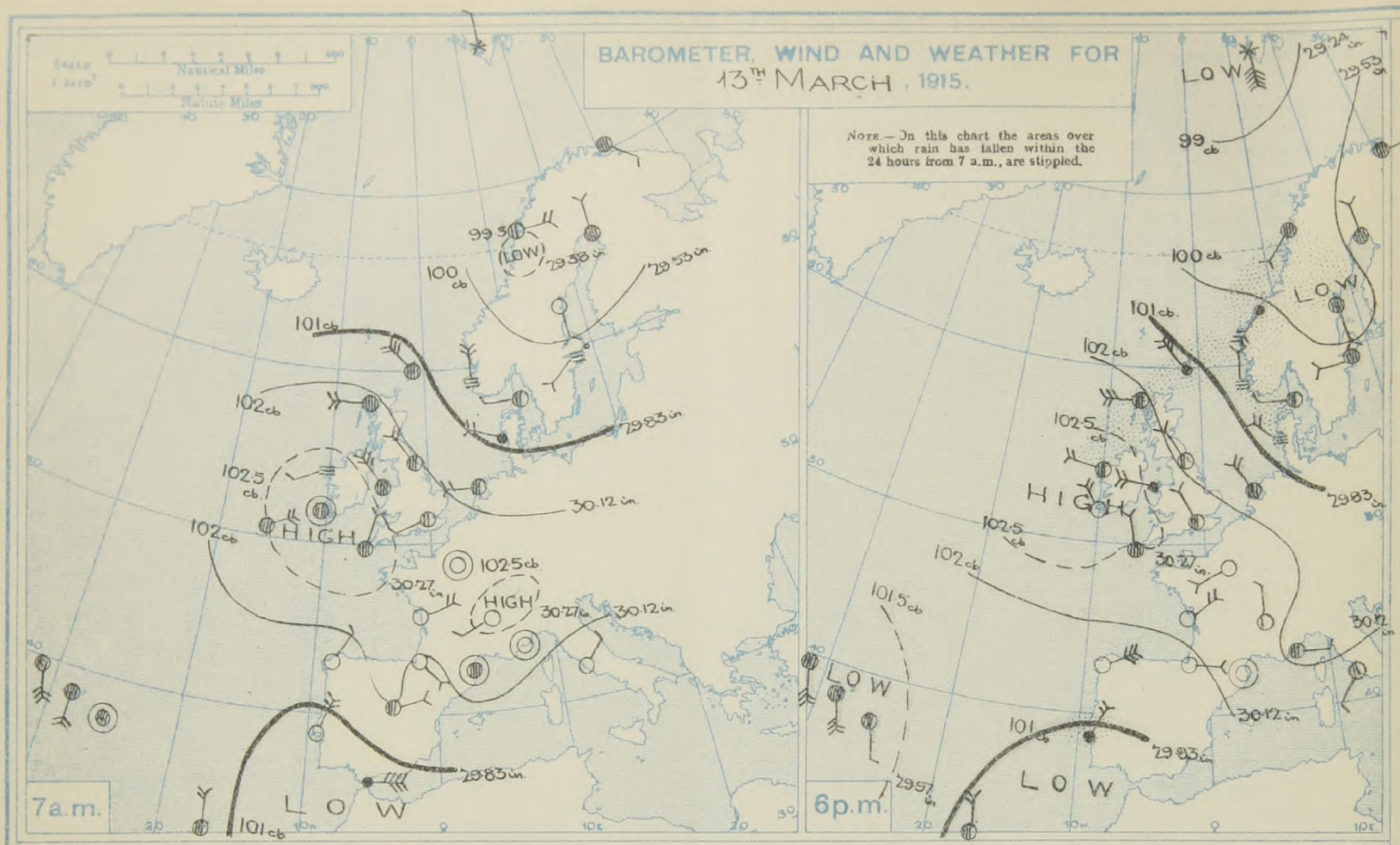
RAINFALL.

Equivalents of Millimetres. in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

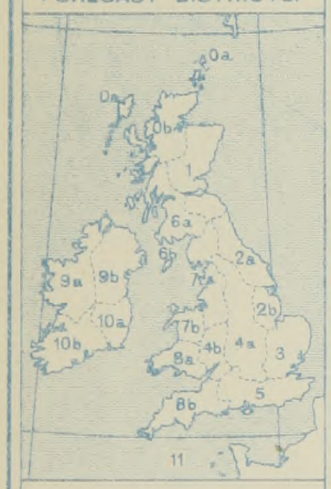
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 13TH MARCH, 1915.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued

Western Channel and Bay

0 {a, b} Wind mainly Westerly, moderate or fresh, strong at times locally; sky variable, some showers and mist; mild.

1, 2 {a, b} Light winds, mainly North-Westerly; mostly fair, dull occasionally; moderately mild.

3, 4 {a, b}, 5 North-Westerly winds, light; sky variable, some mist at times; moderate temperature.

6 {a, b} Westerly and North-Westerly winds, light to fresh; cloudy or dull, some rain; mild.

7 {a, b} Wind light between North and North-West; mostly fair, local mist; moderate temperature.

8 {a, b}

9 {a, b} Same as No. 6.

10 {a, b} Light variable or Northerly airs; dull to fair; moderate temperature.

11 Northerly winds, light; sea slight or smooth; dull to fair, some mist.

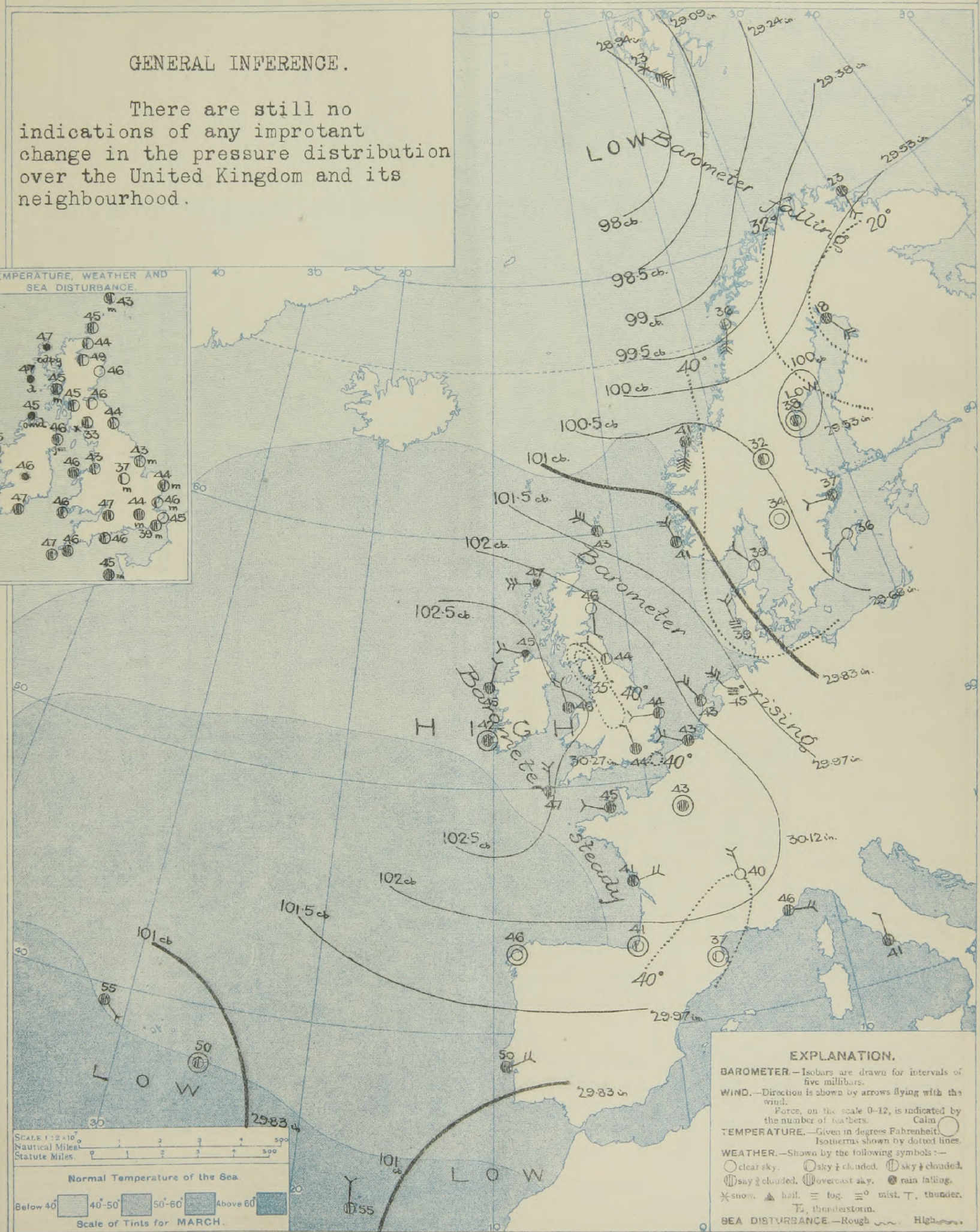
Millibars / Inches: 1050—31, 1040, 1030, 1020—30, 1010, 1000, 990, 980—29, 970

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 14TH MARCH, 1915.



DAILY WEATHER REPORT. Sunday, 14th March, 1915.

REPORTS FOR YESTERDAY.

13th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb °F.	Temp. Change in 24 hours °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Haparanda	1001·7	16	SSW	2	o	999·5	0	16	+6	N	2	–	o	*	–	61	45
Hernösand	1003·9	37	SW	2	b	998·7	0	27	+2	S	2	–	b	*	–	41	19
Stockholm	1006·3	36	NW	2	b	1000·7	–2	34	+4	SW	2	–	m	*	–	39	30
Visby	1006·7	32	N	2	bc	1002·7	–2	34	+2	SW	2	–	o	*	–	34	30
Karlstad	1007·1	38	–	0	o	1001·2	–1	32	–2	–	0	–	f	*	–	45	28
Petrograd	1001·7	43	SW	1	b	1022·6	+1	34	+16	NE	1	–	b	*	–	50	19
Lisbon	1006·9	54	SW	2	o	1008·2	0	45	–3	NNE	4	–	b	6	2	57	45
Horta	*	*	*	*	*	1014·9	–2	57	0	SSE	4	–	o	3	–	61	57
Funchal	1014·9	61	N	3	o	1011·3	+2	55	–5	N	3	N	c	3	1	63	55

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	48	35	op.	o	0·0
	Banff	–	56	44	bc	bc	4·6
	St. Andrews				*	*	
Eng., N.E.	Harrogate	–	53	38	b	b.bc.c	6·3
	Scarborough	*					
	Skegness	–	56	35	c.bc	c.o	4·6
Eng., N.W.	Morecambe	–	47	42	o	o	0·0
	Blackpool	–	47	42	o	c.o	0·4
	Southport	–	47	41	o.c	c.o	0·6
Midlands	Buxton	–	46	38	c.o	c	0·0
	Leamington Spa	–	49	36	om	om	0·6
	Malvern	–	56	36	bc	bc	7·1
	Ross-on-Wye	–	50	30	bmx	bc	5·7
Wales	Rhyl						
	Colwyn Bay						
	Llandudno						
	Aberystwyth	–	45	42	o.c	o.c.o	0·0
	Tenby	–	52	36	c	bc.o	3·0
	Swansea	–	50	44	c	bc	1·3
England, E.	Cromer	–	51	39	b.bc	bc.o.c	5·5
	Lowestoft	–					
	Felixstowe	–	55	38	c	bc	2·6
	Walton-on-Naze	–	54	38	o.cm	om.bc.o	1·7
	Southend-on-Sea	–	51	37	o	o.c	0·6

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	52	37	bz	c	4·6
	Margate	–	49	41	c	c	1·1
	Ramsgate	–	46	40	o.c	bc	4·1
	Folkestone	–	52	42	b	b	5·4
	Hastings	–	55	41	bc.o	c.b	?
	Bexhill-on-Sea	–	47	41	c.b	b.c	5·7
	Eastbourne	–	53	42	b	bm	7·5
	Seaford	–	51	38	o	o	6·5
	Brighton	–	54	40	bc	bc.o.c	6·9
	Worthing	–	56	38	b	bc.c	7·6
	Littlehampton	–	54	38	b	b	6·0
	Bognor	–	54	50	b	b	7·4
	Southsea						
	Bournemouth	–	57	38	o.b	b.bc	7·5
England, S.W.	Weymouth	–	55	39	zb	b.bcz	9·0
	Torquay	–	53	38	o	c.bc.b.bc	7·2
	Paignton	–	54	36	c.bc	b	7·4
	Falmouth	–	47	40	o.c.o	o	0·2
	Penzance	–	53	42	o.bc	c	3·0
	Newquay	–	44	40	of.om	om	0·0
	Ilfracombe	–	51	39	o	o	0·0
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature In Screen Max.	Temperature In Screen Min.	Temperature Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	81	94	0·2	49	38	29	–	o	o.c	o
City (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	76	91	0·4	50	38	31	–	bm	bc.oc	oe
Camden Sq. (Brit. Rainfall)	78	93	0·0	50	38	32	–	bc.o	o	*
Hampstead (Reservoir)	*	96	0·0	47	37	22	–	c.o	bcx	om
Richmond Park	*	*	0·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	75	87	0·8							

24 Hours ended 9 A.M. To-day.

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
466 Joules	11·2 Milliwatts.	39 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature In Screen Max.	Temperature In Screen Min.	Temperature Night Min. on Grass.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	–	52	42	42	c.o	og.c	c.og	*
Darwen to 9 p.m.	1	45	38	38	omr	omu	omr	0·0
Manchester "	0·3	49	40	*	o	o	op	0·0
Birmingham "	–	46	40	36	*	o	o	0·0
Oxford to 9 p.m.	*	51	35	28	o	o	o.cbm	*
Teignmouth to 9pm.	–	52	39	36	bc	bc.b	b	6·1
Plymouth "	–	48	38	–	cb	o	o	1·6
S. Kensington (Museum Grounds to 6 p.m.)	–	50	39	32	o.bzf	bc.o	o.om	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

14th & 15th Mar. 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·14 / 6·11	12·3 / 12·3	5·52 / 5·54
Greenwich	6·19 / 6·17	12·10 / 12·9	5·59 / 6·2
Wick	6·35 / 6·32	12·22 / 12·21	6·8 / 6·11
Valencia	7·0 / 6·58	12·51 / 12·50	6·41 / 6·43

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 60° at Aberdeen, and to above 55° in a few other localities. Slight rain fell at a few western and northern stations, but generally the weather was dry, although except in some places in the south and locally elsewhere, the sky was very cloudy or overcast.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 74

Monday, 15TH March, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1015·2	46	WNW	4	cm	1012·5	−2	45	+2	WNW	4	–	cm	3	2	47	42	fd	omd	om	*
	Deerness ...	1018·9	46	WNW	6	c	1017·3	*	44	−1	W	5	W	c	3	1	48	44	c.o	op.d.c	cpd.c	0·0
	Stornoway ...	1024·0	47	WNW	4	opq	1021·3	−1	44	−3	W	4	–	cdp	4	1	51	44	odpq	op	o.cdp	1·0
	Castlebay (Barra Isd.)	1026·9	47	WNW	3	o	1023·8	0	45	−2	W	4	W	opm	4	0·3	50	44	d.o	o	opm	0·1
	Glasgow ...	1023·8	48	W	3	bc	1024·2	0	43	−2	SW	2	NW	c	*	–	54	39	b	b.bc	b.bc.ok	3·4
	Eskdalemuir ...	1023·2	45	NW	5	bc	1024·9	+1	26	−7	NW	1	–	bx	*	–	56	24	bc	bc	bc.bq	3·3
	Malin Head ...	1027·2	46	NW	4	cg	1027·6	0	45	0	W	2	–	ov	3	–	47	43	og	cg	ov	0·2
	Blacksod Point	1029·3	47	N	2	om	1028·3	0	44	−1	WSW	2	–	bc	2	–	49	42	om	om	bc	*
	Valencia ...	1027·7	48	NNE	1	o	1027·4	0	45	+3	–	0	–	o	2	–	50	41	o	o	c	0·0
	Roche's Point	1028·1	48	NW	1	c	1027·7	*	45	−2	NNE	1	–	o	1	0·1	51	41	o	o.c	o	*
	Birr Castle ...	1028·1	50	N	1	o	1028·0	*	44	−2	N	1	–	o	*	–	50	43	o	o	o	0·0
	Donaghadee ...	1025·6	47	N	4	cgm	1025·5	0	45	−1	NW	3	–	og	2	–	49	42	cgm	cgm	ogm.oq	*
	Liverpool (Bidston)	1025·6	45	W	4	o	1025·1	0	40	−3	WNW	2	–	b	2	–	48	40	o	o	o.bx	0·0
	Holyhead ...	1026·2	46	NNW	3	om	1025·8	0	45	−1	NNW	4	–	o	3	–	48	43	o.ov	og.om	o.bc.bo	0·0
	Pembroke (St. Ann's)	1025·6	45	NE	2	b	1026·7	0	41	−5	NE	1	–	b	1	–	51	40	c	c	b	0·3
	Scilly (St. Mary's)	1025·1	47	ENE	2	om	1025·0	0	48	−1	ENE	1	–	om	3	–	50	40	om	om	om.com	4·8
	Falmouth ...	1024·5	49	N	3	bc	1025·3	+1	45	−1	–	0	–	ow	1	–	52	40	o	o.c.bc	bc.c.o	0·0
	Jersey (St. Aubin)	1023·4	51	NE	3	b	1024·5	*	41	−4	NE	1	–	bm	0	–	54	38	om.c	b.f.b	bmw	4·5
	Portland Bill ...	1023·8	47	NW	2	bc	1024·8	+1	46	0	ENE	1	NE	om	2	–	55	45	c.o	o.c.bc	o.bc.om	*
	Dungeness ...	1023·1	46	ENE	3	c	1024·6	0	42	+3	WNW	1	–	ogq	1	–	54	37	cm.bc	bc.c	b.bc.og	*
	Dover	1024·8	45	NE	3	o	1025·6	0	44	−1	–	0	–	o	0	0·1	58	41	b	b.bc.c	b	7·8
	Wick	1020·9	48	WNW	4	o	1018·7	−1	44	0	W	4	–	o	3	Trace	51	43	bc.om	om	bc.ogm	*
	Nairn	1023·1	48	W	2	c	1021·2	*	45	−4	SW	1	–	bc	2	–	55	42	bcq	q.bc.c	q.bc	3·8
	Aberdeen ...	1021·7	52	NW	4	bc	1021·4	−1	43	−3	SW	3	W	b	2	–	59	43	b.bc	bc.bq	bcq	6·9
	Leith	1022·0	55	WSW	3	b	1023·3	0	40	−6	WSW	2	–	bq	*	–	61	39	b	b	bc.b	*
	Tynemouth ...	1022·2	54	NW	2	bc	1023·0	0	42	−2	NW	3	–	cm	2	–	58	42	bc	bc	om	*
	Spurn Head ...	1024·9	49	S	3	bc	1024·9	0	42	−1	NNW	1	–	cmw	3	Trace	53	42	bc	bc	bc	8·0
	Yarmouth ...	1024·2	45	E	1	bcm	1024·1	0	43	−1	W	1	–	f	0	–	54	42	om.bcm	bcm	om.cf	5·2
	Clacton-on-Sea	1023·1	45	ENE	1	bc	1023·8	0	43	−3	W	1	–	ogm	0	–	54	40	bcm.c	c.bc	bc.ogm	4·2
	Nottingham ...	1023·9	49	W	3	c	1024·0	*	44	+7	W	1	–	om	*	–	58	36	bcm	cm	c.b	5·4
	Bath	1024·4	54	NE	1	b	1025·5	*	46	−1	E	1	–	m	*	–	54	42	m o.c	o.c.bcb	bc.com	1·5
	London (Kew Obsy.)	1023·8	53	NNE	2	bcm	1024·9	0	46	+2	–	0	–	cm	*	–	57	43	om.c.bcb	b.bcm	bcm.bm	5·3
ICELAND, FAEROE, &c.	Spitsbergen ...	973·2	18	SE	10	o	1001·7	+17	16	−7	SE	7	*	c	*	*	23	14				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	991·8	23	SE	5	bc	993·1	0	19	−4	E	5	–	c	3	*	25	19				
	Bodö																					
	Christiansund	1008·6	37	W	6	o	1000·7	−8	37	−4	W	8	–	c	6	3	41	34				
	Skudesnaes ..	1012·4	41	NNW	2	f	1012·3	0	43	+2	NW	3	–	m	1	–	43	39				
	Færder (X'iania Fjord)	1005·7	41	WSW	2	o	1006·3	−2	37	0	WSW	2	–	c	2	–	41	36				
	The Scaw (Skagen)	1006·6	41	W	2	o	1007·8	+1	39	0	WNW	3	NW	o	3	–	52	37				
	Blaavands Huk	1015·1	41	NNW	4	o	1015·5	0	41	+2	NW	4	–	m	3	Trace	43	37				
	Haparanda ...	986·0	28	SSW	2	s	991·4	+1	12	−6	WNW	6	–	bc	*	?	28	12				
	Hernösand ...	997·5	41	W	4	bc	999·5	0	32	0	S	2	–	bc	*	Trace	48	30				
	Stockholm ...	1002·1	41	W	2	o	1002·9	+3	36	−1	N	2	–	o	*	–	46	36				
	Wisby	1005·2	39	SW	2	b	1002·7	+3	37	+1	NNE	2	–	c	*		41	36				
	Karlstad	1002·3	41	SSW	2	c	1004·7	+3	36	+2	–	0	–	b	*	–	46	32				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1022·0	41	NW	3	c	1021·3	+1	43	0	WNW	2	–	o	1	–	45	41				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1024·0	44	ENE	4	c	1025·0	0	44	+1	NW	1	*	o	0	–	54	43				
	La Hève	1023·3	46	NE	2	m	1024·4	*	41	−2	NE	2	*	o	1	–	50	39				
	Ushant	1023·4	48	ENE	3	c	1025·0	*	43		ENE	3	*	r	3	–	50	39				
	Brest (St. Mathieu)	1024·2	34	NW	1	m	1024·6	+1	37	−6	E	1	*	m	2	–	54	36				
	Rochefort (Ile d'Aix)	1021·0	50	ENE	3	b	1021·0	+1	42	+1	ENE	4	*	b	*	–	59	41				
	Biarritz	1017·3	52	NE	2	bc	1017·7	0	46	+5	ESE	2	*	b	1	–	63	41				
	Paris	1021·7	50	NNE	1	o	1024·0	+1	41	−2	NNE	1	–	o	*	–	57	37				
	Belfort							*					*		*							
	Lyons	1019·5	51	NNE	2	o	1020·0	*	42	+2	E	1	*	o	*	–	57	40				
	Nice	1016·3	47	E	1	c	1019·8	+3	47	+1	–	0	*	b	2	–	59	41				
	Perpignan ..	1015·5	59	NNW	2	bc	1019·0	+5	45	+8	–	0	–	o	*	1	66	37				
	Sanguinaire ...	1013·7	50	N	2	b	1014·3	*	51		E	1	*	b	2	–	63	43				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1015·9	61	NNE	2	o	1018·7	+1	50	+4	ENE	1	–	m	1	–	61	46				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1005·2	*	SE	5	o							*									
	Madeira (Funchal)	1014·4	63	N	2	o	1012·0	−2	59	+4	S	4	–	r	4	23	63	59				

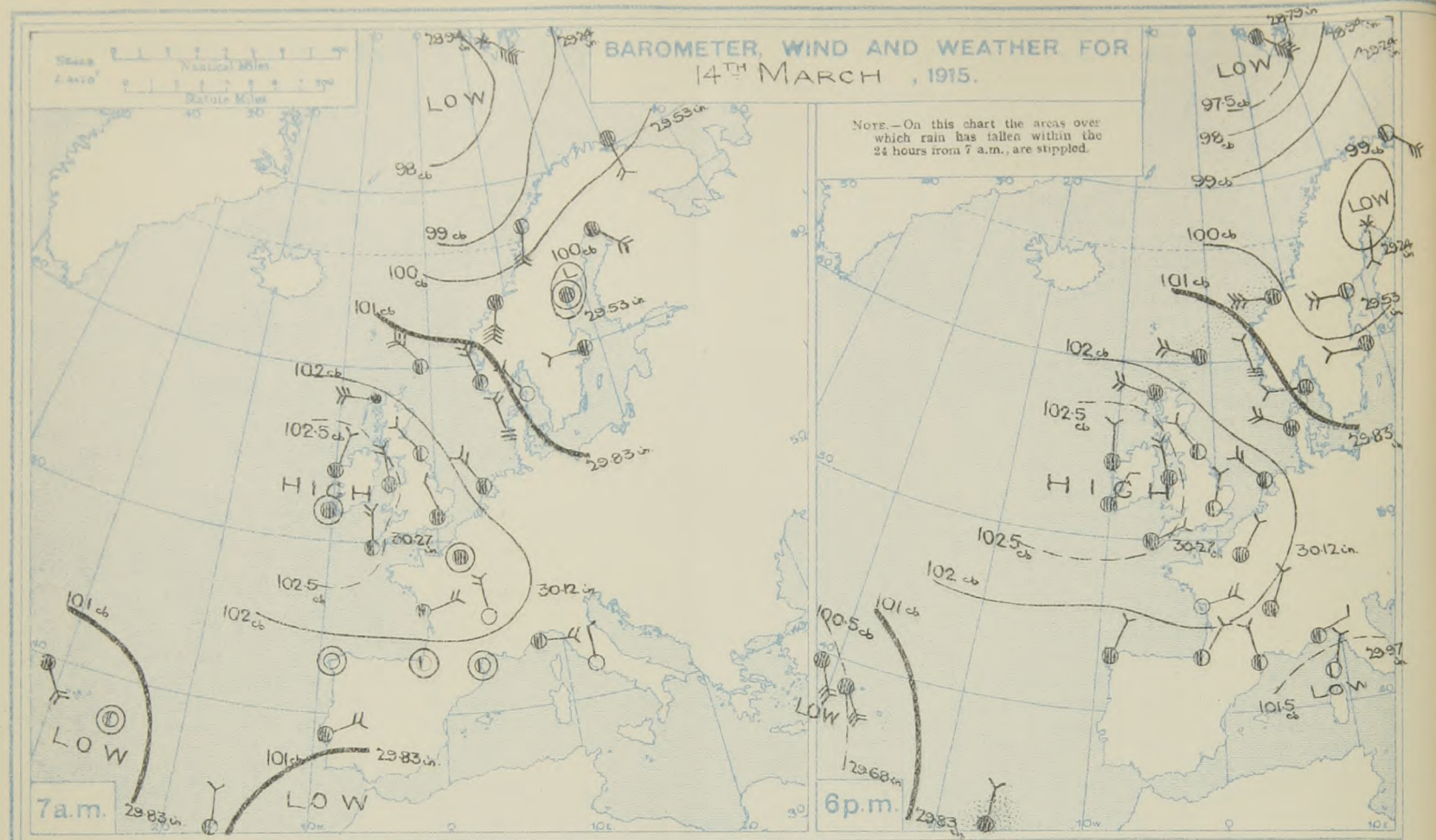
GALES.

Duration and Extreme Force in British Islands.

Aberdeen.

5pm. gust WNW 18mps. (8).

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

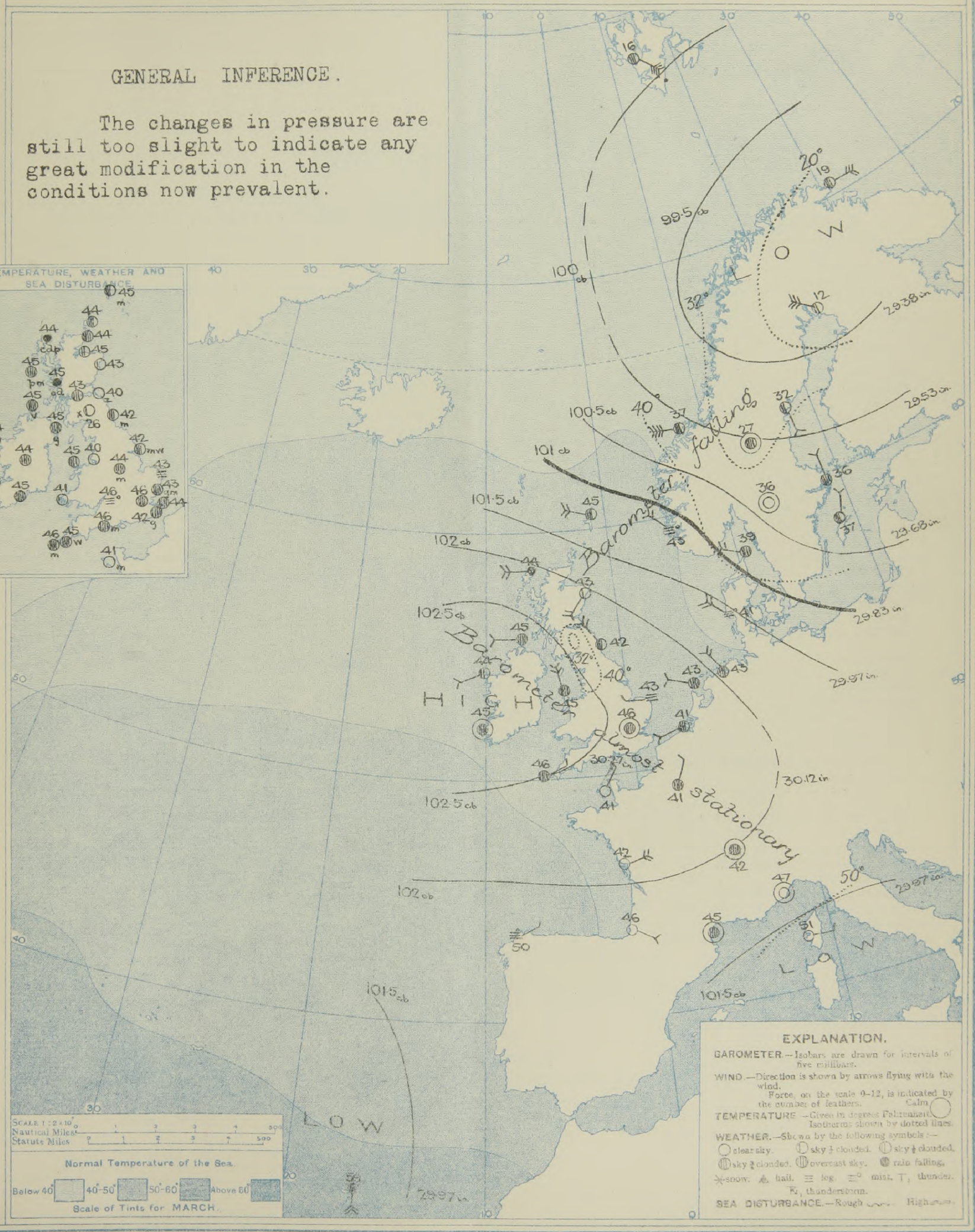
0 a, b; 1	Westerly or North-Westerly winds, light to fresh; sky variable, some local showers; no great change of temperature.
2 a, b; 3; 4 a, b	Wind light, mainly North-Westerly; mostly cloudy, some mist locally, brighter at times; moderate temperature.
5	Wind very light, Northerly or variable; mostly cloudy, some mist locally, brighter at times; moderate temperature.
6 a, b	Same as Nos. 0 and 1.
7 a, b	Northerly or light variable winds; mostly cloudy, some mist locally, brighter at times; moderate temperature
8 a, b	Light North-Easterly winds; mostly cloudy, some mist locally, brighter at times; moderate temperature.
9 a, b; 10 a, b	Wind light variable or Northerly; mostly fair, dull at times, some mist locally; moderate temperature.
Western Channel and Bay 11	Light North-Easterly winds; sea slight or smooth; mostly fair, some mist.

Millibars / Inches: 1050—31; 1040; 1030; 1020—30; 1010; 1000; 990; 980—29; 970

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 15TH MARCH, 1915.



PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

Station Date & Hour.		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		South Farnborough 9th	8.40am	S. Farnborough 10th	8.55am	Eskdalemuir 12th	1p.m.	Eskdalemuir 13th	7am.	S. Farnborough 13th	8.55am										
Heights in Kilometres.	3							+8	−10	−3	−10										
	2			+3	−12			+8	−11	0	−9										
	1	−10	−9	+4	−4	0	−6	−2	−6	+6	−6										
	0.5	−6	−10	+3	−7	+1	−1	+2	−2	+9	−3										
	0	0	−4	+3	−3	-	-	+1	0	+2	−1										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	1	50	40	o	o	1.0
	Banff	-	54	46	o.bc	o	1.9
	St. Andrews				*	*	
Eng., N.E.	Harrogate	-	54	39	b	b.bc.b	8.7
	Scarborough	*	53	44	c.b	c.b	7.6
	Skegness	-	52	37	b	b.o	6.9
Eng., N.W.	Morecambe	-	46	43	o	o	0.0
	Blackpool	-	47	42	o.c	o	0.0
	Southport	-					
Midlands.	Buxton	1	44	40	c	c	0.0
	Leamington Spa	-	52	42	om	om	0.1
	Malvern	-	51	45	c	c	0.6
	Ross-on-Wye	-	54	46	o.c	c.bcg	1.4
Wales.	Rhyl	-	47	43	o	g	0.0
	Colwyn Bay	-	49	44	c.bc	bc.o	0.0
	Llandudno	0.3	49	40	o	o	0.0
	Aberystwyth	-	47	42	o.c.o	c.o	0.0
	Tenby						
	Swansea	-	53	45	o.b	bc	4.1
England, E.	Cromer	-	50	42	c.bc.b	b.bc.c	6.6
	Lowestoft						
	Felixstowe	-	54	39	c	bc	3.8
	Walton-on-Naze	-	48	39	c.bc	bc.b	4.1
	Southend-on-Sea	-	56	38	b	b.bc	6.1

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	-	59	33	bg	b.o	8.8
	Margate	-	50	41	bc	bc	4.4
	Ramsgate	-	53	40	bc	bc	5.5
	Folkestone	-	56	43	b	b	7.1
	Hastings	-	57	40	b	b.bc	?
	Bexhill-on-Sea	-	55	39	b	bc	7.2
	Eastbourne	-	57	41	m.b	bm	7.4
	Seaford						
	Brighton	-	56	39	bc	bc.c	8.4
	Worthing	-	58	36	c.bc	bc.c	6.1
	Littlehampton	-	56	36	bg	bg	0.0
	Bognor	-	53	47	bc	g	4.8
	Southsea	-	58	41	om	bf	4.5
	Bournemouth	-	57	41	o.c.bc	bc.b	0.0
England, S.W.	Weymouth	-	54	41	o.c	c.bm	1.8
	Torquay	-	57	41	o.	c.bc.b	4.0
	Paignton						
	Falmouth	-	52	42	o	o.c.bc	0.0
	Penzance						
	Newquay	-	48	43	om	o	0.0
	Ilfracombe	-	52	45	o.bc.b	bcg	0.5
	Weston-super-Mare	-	56	42	c.bc	b.bc	3.5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-Day.)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	68	85	3.9	51	41	29	-	o	b.c	c.o
City (Bunhill Row)	*	*	3.8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	65	84		58	42	36	-	bc	bc	om.o
Camden Sq. (Brit. Rainfall)	*	82	5.3	59	43	35	-	-	-	*
Hampstead (Reservoir)	*	85	4.7	55	41	29	-	bc	o	o
Richmond Park	*	*	6.5							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	-	78	5.0							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
730 Joules	17.4 Milliwatts.	40 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	-	58	43	35	b.c	o.bc	bc.c	3.0
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	57	44	31	bc.o	abem	bmcg	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

15th & 16th Mar. 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.11 6.8	12.2 12.2	5.54 5.56
Greenwich	6.17 6.14	12.9 12.9	6.2 6.4
Wick	6.32 6.29	12.21 12.21	6.11 6.14
Valencia	6.56 6.55	12.30 12.30	6.43 6.45

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to above 55° in many parts of Great Britain, touching 61° at Leith. Bright sunshine was very prevalent over the eastern half of England and in the south-west and east of Scotland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 75

Tuesday, 16th March, 1915.

Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1011·0	44	WNW	4	fd	1016·1	+5	35	-10	N	5	–	c	4	1	47	35	fd	fd	cm, o	*
	Deerness ...	1015·2	45	W	6	opd	1016·2	*	41	-3	NNW	4	–	bc	3	3	48	41	c,bc	bc,c,opd	opd, bc	2·7
	Stornoway ...	1021·5	47	W	4	cqp	1020·0	-1	46	+2	W	4	–	odq	4	2	49	44	cqp	cqp	c,odpq	2·3
	Castlebay (Barra Isd.)	1023·2	46	W	4	b	1022·6	0	46	+1	WNW	3	–	op	3	1	48	44	opm,c	c,b	b,op	4·5
	Glasgow ...	1021·8	46	W	4	c	1021·4	-2	42	-1	W	3	NW	b	*	–	49	42	c.o.c	c	o,c,b,dc	4·3
	Eskdalemuir ...	1022·3	45	SSW	1	cq	1020·8	-2	40	+14	W	1	NW	b	*	Trace	51	25	b	bc.c	cq,bc	8·1
	Malin Head ...	1025·4	44	W	3	cq	1024·4	-2	45	0	NW	3	W	cq	3	1	49	43	bcmp	cq	cq	1·3
	Blacksod Point	1027·6	45	NNW	3	bc	1025·8	-2	42	-2	WNW	1	–	fc	1	–	47	40	bc	bc	omq,c	*
	Valencia ...	1026·7	46	NNE	2	o	?1025·7	-1	42	-3	–	0	–	o	2	–	48	42	oz	oz	o	0·0
	Roche's Point	1027·7	46	NNE	1	c	1025·8	*	39	-6	N	2	–	o	1	–	47	38	o	o.c	o	*
	Birr Castle ...	1027·2	48	NNW	1	o	1026·0	*	41	-3	N	1	–	o	*	–	48	41	o	o	o	0·0
	Donaghadee ...	1024·6	47	NW	4	cgm	1023·1	-1	45	0	NW	4	–	o	3	–	52	43	cgm	cgm	o,cgm	*
	Liverpool (Bidston)	1025·0	44	WNW	3	o	1022·5	-1	43	+3	WNW	3	–	o	3	–	46	40	bc	o	o	1·7
	Holyhead ...	1025·9	47	NW	2	bz	1023·7	-1	44	-1	NNW	4	–	o	3	–	47	40	oe.o	o.bc	b,bc,c,o	0·5
	Pembroke (St. Ann's)	1026·1	44	NE	3	c	1023·9	-2	40	-1	ENE	1	–	cw	1	0·1	47	38	b	c	c	2·9
	Scilly (St. Mary's)	1025·3	46	NE	3	om	1022·8	-1	43	-3	NE	1	–	o	3	–	51	43	om	o.m.	o,c	0·0
	Falmouth ...	1025·3	47	N	2	o	1023·1	-1	43	-2	–	0	–	c	1	–	51	40	oz	oz	oz,c	0·0
	Jersey (St. Aubin)	1024·1	50	E	3	om	1022·5	*	45	+4	E	2	–	om	1	–	55	40	bm.b	c.om.	om	6·5
	Portland Bill ...	1024·1	47	–	0	om	1022·9	-1	41	-5	NE	1	–	b	2	–	49	41	om	om	b	*
	Dungeness ...	1023·7	45	WSW	2	ogz	1022·0	-2	42	0	NW	2	–	o	2	–	45	41	oz	oz	o,c,o	*
	Dover	1024·5	45	SW	3	o	?1021·6	-1	42	-2	NW	3	–	o	2	–	45	41	oz	oz	oz	0·0
	Wick	1017·5	47	W	4	o	1017·2	+1	42	-2	NW	2	–	of	3	1	49	42	omgd	ompd	ofomd	*
	Nairn	1019·6	47	W	6	cq	1019·0	*	45	0	W	3	–	cg	3	–	52	42	c.bcq	bcq	c,bcq	6·0
	Aberdeen ...	1019·3	49	NW	4	b	1017·9	-1	45	+2	NW	4	–	b	2	–	56	43	b.bc	bc.b	b	8·6
	Leith	1020·3	49	WSW	2	b	1020·3	+4	41	+1	W	2	–	bm	*	–	55	40	b,bc,b	b	b	*
	Tynemouth ...	1020·3	50	W	2	bm	1020·4	-1	40	-2	NW	2	–	bm	2	–	55	39	cm	bm	bm	*
	Spurn Head ...	1023·5	45	–	0	bc	1020·3	-2	43	+1	W	4	W	bem	4	–	54	40	bem	bem	bc	4·1
	Yarmouth ...	1022·8	49	SW	1	f	1020·4	-2	39	-4	W	2	–	f	1	–	55	38	f.bem	bem.f	emf	4·0
	Clacton-on-Sea	1022·7	45	SW	2	ogm	1020·2	-1	41	-2	WNW	2	–	ogm	1	–	47	37	ogm	ogm	ogm	0·0
	Nottingham ...	1022·9	47	W	3	b	1020·5	*	35	-9	W	1	–	bm	*	–	54	33	om	c.bm	b	3·1
	Bath	1024·7	49	NE	1	b	1023·5	*	38	-8	W	1	–	m	*	–	53	36	m.o	o.bc.b	b.om	0·1
	London (Kew Obsy.)	1024·2	48	W	1	om	1022·3	-1	41	-5	WNW	1	–	om	*	–	49	40	om.o.om	om.o.om	om.bc.b	0·0
Iceland, Faeroe, &c.	Spitsbergen ...	1022·7	-5	ESE	7	bc	1027·7	+6	1	-15	ENE	6	*	bc	*	*	18	-15				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö	994·7	23	E	6	s	996·4	0	19	0	NE	7	–	o	4	*	23	16				
	Bodö	991·8	23	NE	4	b	998·1	+4	18	-7	ESE	2	NE	c	2	?	25	14				
	Christiansund	1002·4	28	NW	7	o	1004·4	0	27	-10	NNW	5	–	c	5	1	37	23				
	Skudesnaes ..	1008·3	43	W	6	r	1007·9	0	34	-9	NNW	7	–	s	2	–	43	34				
	Færder (X'tania Fjord)	998·9	39	WSW	5	b	1000·6	0	36	-1	NW	6	–	b	2	–	39	36				
	The Scaw (Skagen)	1003·5	39	W	6	m	1000·7	+1	37	-2	WNW	4	NW	bc	4	–	45	37				
	Blaavands Huk	1015·1	41	WNW	5	o	1010·0	-2	41	0	WNW	4	–	r	4	Trace	43	39				
	Haparanda ...	987·7	14	NW	4	b	990·3	+2	7	-5	N	4	–	b	*	–	21	1				
	Hernösand ...	991·4	30	ESE	1	b	991·4	+2	19	-13	N	4	–	o	*	Trace	36	18				
	Stockholm ...	993·2	45	N	4	o	?	0	25	-11	?	6	–	bc	*	–	45	25				
	Wisby	999·1	41	SW	2	b	993·6	+2	32	-5	N	8	W	b	*	Trace	43	30				
	Karlstad	1026·6	43	W	4	b	999·7	+4	27	-9	WNW	4	NW	m	*	–	48	25				
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1021·9	43	SW	2	o	1018·4	-1	44	+1	W	2	–	c	1	–	45	43				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1024·2	43	S	1	o	1020·7	-1	46	+2	W	3	*	m	2	–	46	43				
	La Hève	1022·9	43	NNE	1	m	1022·4	*	44	+3	–	0	*	m	1	–	48	39				
	Ushant							*					*									
	Brest (St. Mathieu)	1023·3	50	NE	3	m	1023·0	-1	45	+8	NE	1	*	m	1	–	54	37				
	Rochefort (Ile d'Aix)	1020·7	52	ENE	3	b	1019·9	0	39	-3	ENE	3	*	b	*	–	59	39				
	Biarritz	1018·9	50	SW	2	b	1018·6	0	46	0	–	0	*	b	1	–	54	43				
	Paris	1023·8	45	NE	2	b	1022·1	0	34	-7	NE	1	–	f	*	–	52	32				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice	1019·9	46	–	0	o	1018·7	0	48	+1	–	0	*	b	2	–	59	43				
	Perpignan ..	1020·0	52	SE	1	b	1020·7	+1	39	-6	–	0	NE	o	*	–	59	36				
	Sanguinaire ...	1015·9	53	N	3	b	1016·2	*	52	+1	E	1	*	b	1	–	64	45				
Southern Europe	Corunna (7 a.m.)	1016·8	59	NNE	4	b	1015·0	-1	48	-2	S	2	–	b	1	–	59	46				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1014·7	59	WSW	3	b	1011·7	-2	50	-2	NE	2	–	o	2	–	63	50				
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	990·4	*	NE	5	r							*									
	Madeira (Funchal)	1010·7	61	S	6	b	1010·1	0	61	+2	SSW	3	W	m	3	15	63	59				

GALES.

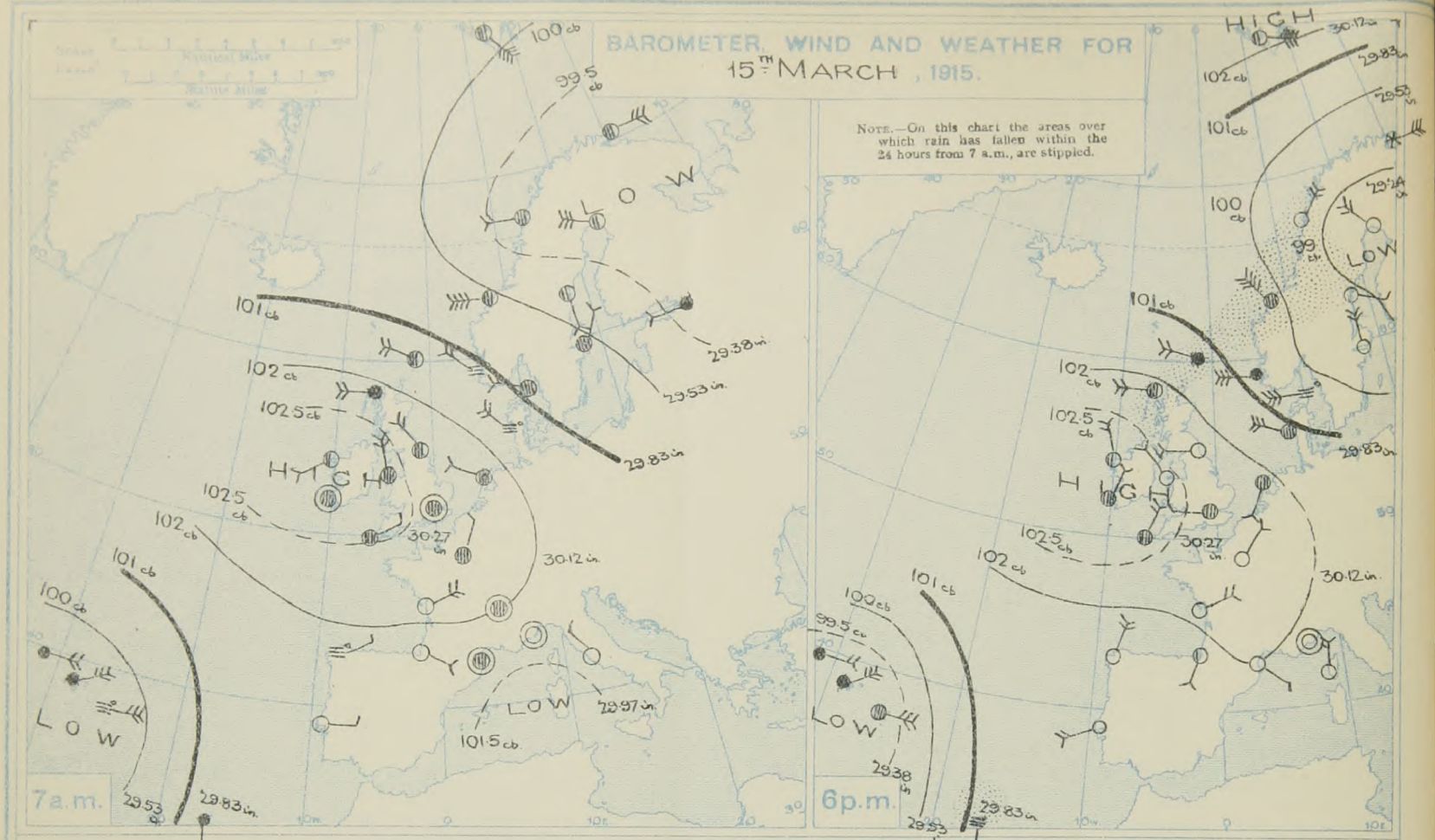
Duration and Extreme Force in British Islands.

Nairn

15th Noon - 5 p.m

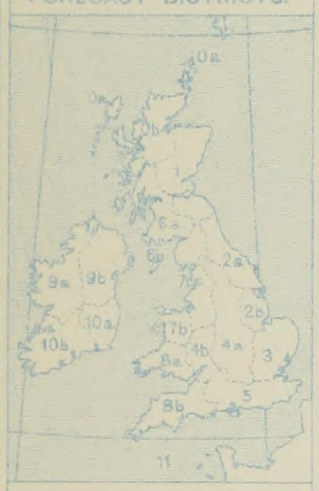
W. 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 {a, b}, 1 — Moderate Northerly and North-Westerly winds; variable sky, some local mist, showers in west; moderately low temperature.

2 {a, b}, 3, 4 {a, b}, 5 — Wind light between West and North-West; mostly cloudy or overcast, mist locally, occasional brighter periods; moderate temperature.

6 {a, b} — North-Westerly and Westerly winds, light; variable weather, mostly fair, some local showers; moderate temperature.

7 {a, b} — Same as No. 6.

8 {a, b} — North-Easterly winds, light; cloudy or overcast, then fairer, some local mist; moderate temperature.

9 {a, b}, 10 {a, b} — North-Westerly or Northerly winds, light; cloudy or overcast, then fairer, some local mist; moderate temperature.

Western Channel and Bay. 11 — North-Easterly winds, light; some mist, otherwise fair; sea slight or smooth.

FURTHER OUTLOOK.

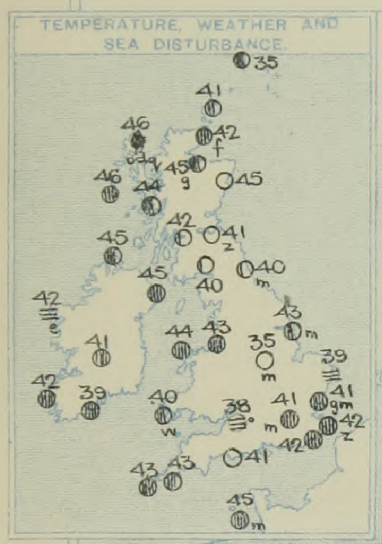
R. G. K. LEMPFERT, Superintendent, Forecast Division.

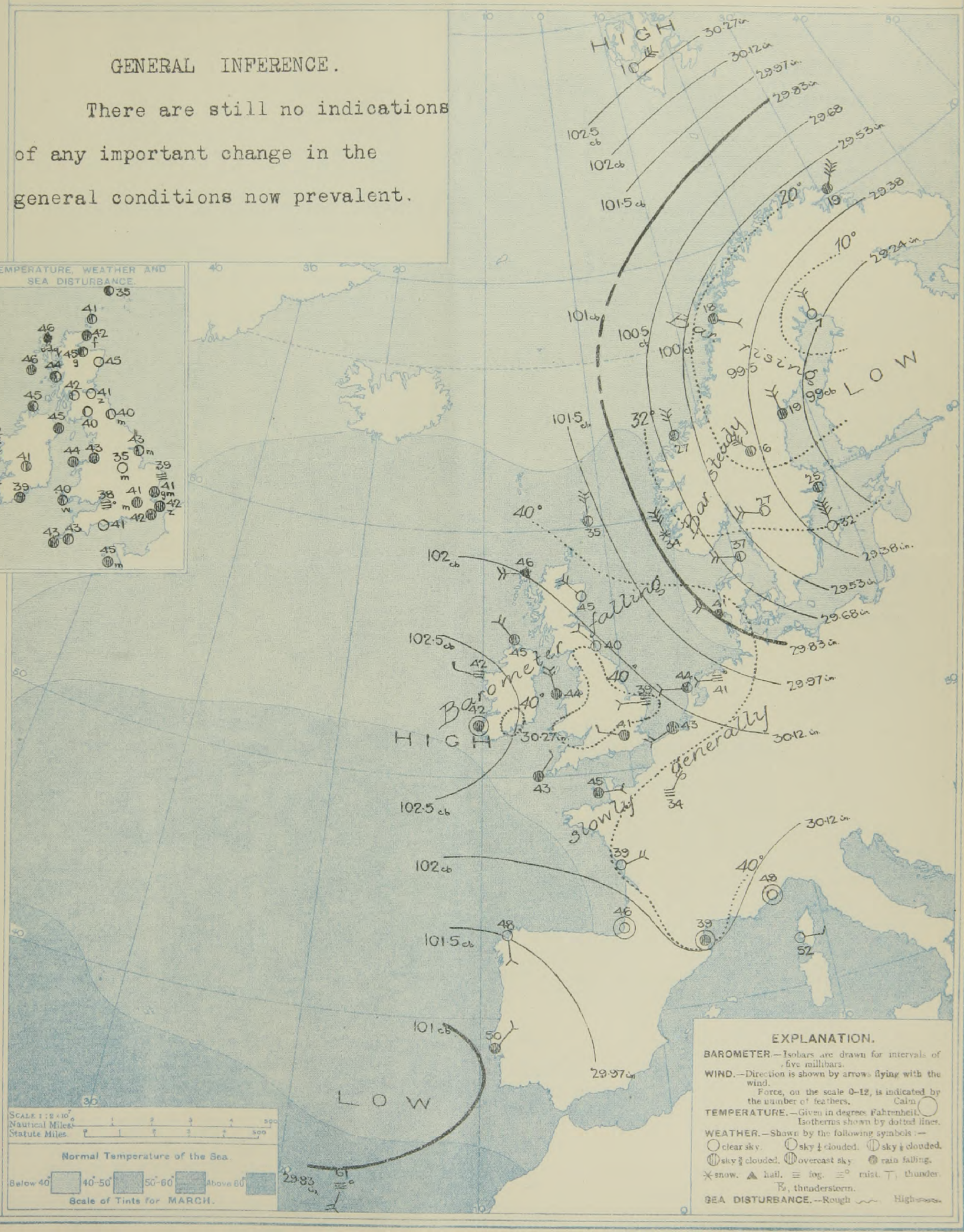
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 16TH MARCH, 1915.

GENERAL INFERENCE.

There are still no indications of any important change in the general conditions now prevalent.





DAILY WEATHER REPORT.

Tuesday, 16th March, 1915.

REPORTS FOR YESTERDAY.

15TH MARCH 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Bodö	995·3	23	NW	7	c	990·7	-3	25	-11	W	3	-	c	2	?	37	19
Petrograd	1001·0	27	ESE	1	0	984·7	+2	34		W	2	—	r	—	-	34	25
Lisbon	1013·0	61	SSE	3	c	1015·0	0	52		E	1	-	b	5	1	61	52
Rome	1017·3	50	SW	1	0	1017·7	0	43		NW	1	-	b	—	-	57	43
Hotta						996·7	-4	57		ENE	4	*	r	4	5	61	55

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
Scotland	Oban	-	50	43	o	o	0·4
	Banff	-	52	45	bc-c	bc	2·8
	St. Andrews	-	57	37	*	*	10·4
Eng. N.E.	Harrogate	-	57	40	b	b	9·9
	Scarborough	*	50	44	c.b	c.b	3·2
	Skegness	-	54	37	om	bc.o	1·7
Eng. N.W.	Morecambe	-	49	40	b	b	9·2
	Blackpool	-	48	40	b	b.bc.c	8·1
	Southport	-	47	40	b.bc	c.o.c	4·5
Midlands	Buxton	-	46	40	bc	bc	2·7
	Leamington Spa	-	50	44	om	om	0·3
	Malvern	-	50	43	bc	b	9·0
	Ross-on-Wye	-	55	44	cm	bg	4·7
Wales	Rhyl						
	Colwyn Bay	-	46	39	c	bc.c	0·0
	Llandudno	0·3	48	38	o	b	0·0
	Aberystwyth	-	48	39	or c	c.bc	2·0
	Tenby	-	51	37	bc	bc	8·3
	Swansea	-	56	44	bc b	b	8·4
England, E.	Cromer	-	53	42	o.c	c.o.cm	2·9
	Lowestoft	-	53	41	bc b	b.bc.co	4·6
	Felixstowe	-	48	39	cm	cm	0·0
	Walton-on-Naze	-	47	39	o.cm	ofg	0·0
	Southend-on-Sea	-	46	40	og	og	0·0

	STATIONS.	Rainfall. mm §	Temperature. Max. °F.	Temperature. Min. F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	-	47	37	om	om	0·0
	Margate	-	48	42	o	o	0·0
	Ramsgate	-	?	41	o	o	0·0
	Folkestone	-	50	42	o	o	0·0
	Hastings	-	47	40	o	o	0·0
	Bexhill-on-Sea	-	52	38	o	o	0·0
	Eastbourne	-	48	37	om	om	0·0
	Seaford	-	46	37	o	o	0·0
	Brighton	-	46	39	o	o	0·0
	Worthing	-	48	40	o	o	0·0
	Littlehampton	-	50	40	o	o	0·0
	Bognor	-	50	43	o	o	0·0
	Southsea	-	51	45	om	o	0·0
	Bournemouth	-	49	42	o	o	0·0
England, S.W.	Weymouth	-	51	44	og	om	0·0
	Torquay	-	53	44	o	o	0·0
	Paignton						
	Falmouth	-	51	40	og	og	0·0
	Penzance	-	52	41	c	o	0·0
	Newquay	-	47	37	om	or	0·0
	Ilfracombe	0·3	49	41	o.bg	bg	5·5
	Weston-super-Mare	-	50	43	o.c	c.bc	1·0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	83	84	0·0	48	40	30	-	o	o	o.bc.o
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	81	81	0·0	50	38	30	-	o	o	o
Camden Sq. (Brit. Rainfall)	77	81	0·0	51	38	31	-	o	o	*
Hampstead (Reservoir)	*	87	0·0	48	36	23	-	o	oa	o
Richmond Park	*	*	0·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	74	80	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
244 Joules	5·8 Milliwatts.	15 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	-	51	45	44	o	og	o.c.b	*
Darwen to 9 p.m.	-	49	40	40	om.c	bc	bc	4·6
Manchester ,,				*				
Birmingham ,,	-	47	42	42	*	o	o	0·0
Oxford to 9 p.m.	*	50	42	33	o	o	o.cbem	*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	54	44	34	og.o	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

16th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6·8 / 6·5	12·2 / 12·2	5·56 / 5·58
Greenwich	6·14 / 6·12	12·9 / 12·9	6·4 / 6·6
Wick	6·29 / 6·26	12·21 / 12·21	6·14 / 6·16
Valencia	6·55 / 6·53	12·50 / 12·50	6·45 / 6·46

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° in many parts of the Kingdom, but touched or exceeded 55° at a few northern and western stations, and in those districts there was much bright sunshine.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 76

Wednesday, 17th March 1915.

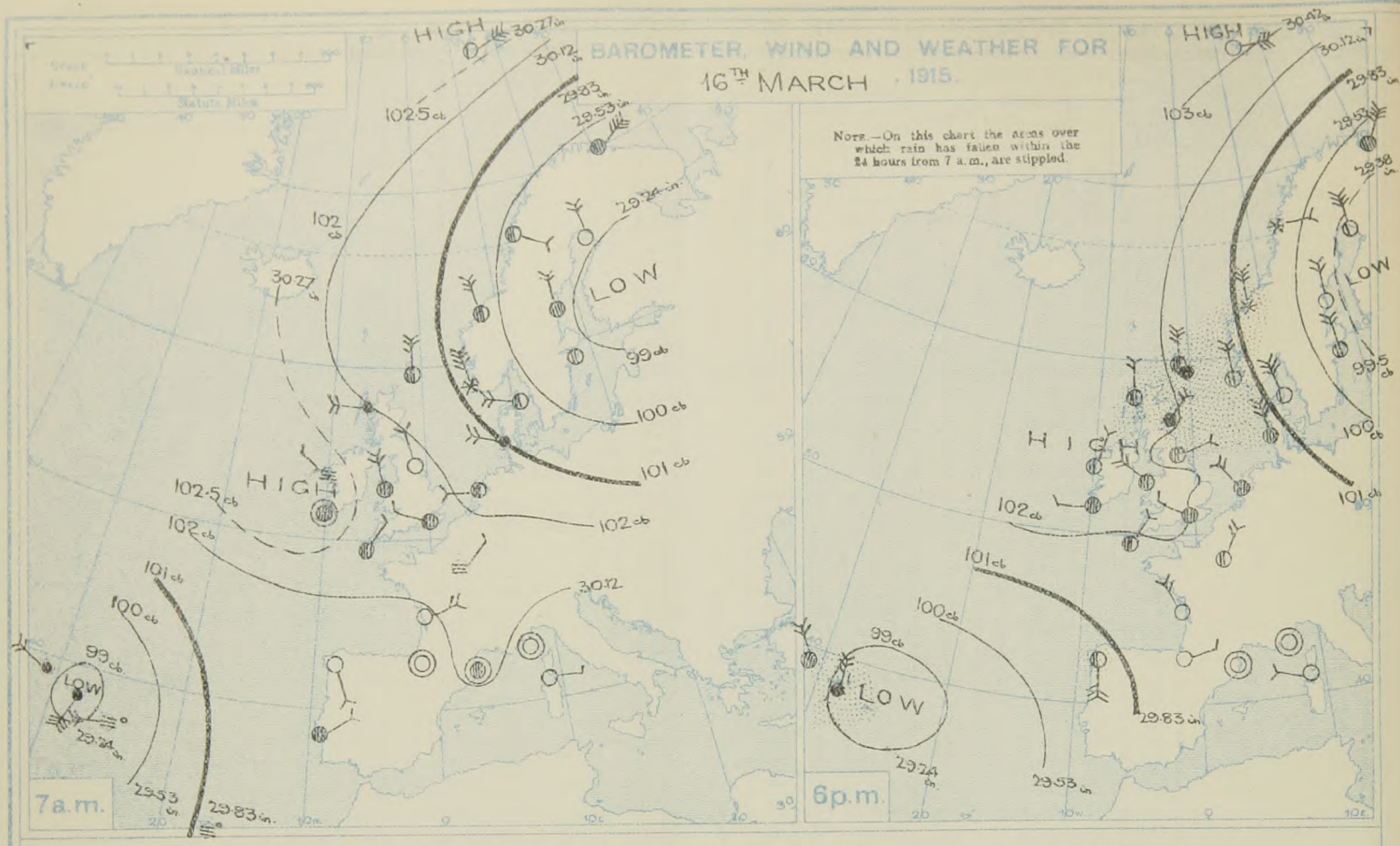
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1019.5	29	N	5	c	1013.6	−3	28	−7	N	3	–	bc	3	1	36	25	c	chp	bcsp.	*
	Deerness ...	1021.0	33	N	5	ow	1014.9	*	32	−9	NNW	4	–	ow	3	–	47	31	bc.c.o	o	osph	1.2
	Stornoway ...	1021.6	44	N	3	c	1014.8	−5	35	−11	ESE	4	–	odp	4	1	47	35	cdp	c	c.odp	0.4
	Castlebay (Barra Isd.)	1020.8	46	NNW	3	op													op.bc	c.bc.op		
	Glasgow ...	1019.2	49	WNW	1	b	1015.5	−3	37	−5	E	3	–	o	*	–	55	36	b	b	bc.ome	10.2
	Eskdalemuir ...	1018.6	47	W	2	c	1014.5	−3	38	−2	NE	1	–	o	*	–	56	38	bc.bo.c	c	c.o	3.7
	Malin Head ...	1022.3	46	WNW	3	cv	1016.2	−3	44	−1	NW	2	NW	bcv	3	0.2	48	43	bc	bc	bcvp	2.1
	Blacksod Point	1022.9	45	NNE	2	bcv	1018.2	−4	43	+1	NNE	2	NE	bcv	2	–	46	40	cv	bcv	bcv.bc	*
	Valencia ...	1021.3	47	W	1	o	1016.9	−3	36	−6	ENE	1	–	o	2	–	50	35	cz	cz	oz	1.4
	Roche's Point	1022.8	45	SE	1	o	1017.2	*	39	0	NNE	2	E	bc	1	–	46	37	o	o	o.b.bc	*
	Birr Castle ...	1022.3	43	NNE	1	c	1017.8	*	39	−2	NNE	1	–	o	*	–	50	38	o	o	o	0.3
	Donaghadee ...	1020.4	46	N	4	cm	1015.0	−3	43	−2	NNW	4	N	cgm	3	–	49	41	bcz	bcm	bcmcg	*
	Liverpool (Bidston)	1020.2	43	WNW	2	o	1015.4	−3	42	−1	WNW	2	W	o	2	–	48	42	o.c	bc	c.o	2.9
	Holyhead ...	1020.7	46	NW	4	c	1015.4	−2	44	0	NW	4	N	cm	2	–	50	44	o.c.bc.b	b.bc.c	b.bc.c.o	5.7
	Pembroke (St. Ann's)	1021.3	43	ENE	1	b	1016.4	−2	38	−2	E	1	NE	cg	1	0.1	49	37	cw	bc	b	4.5
	Scilly (St. Mary's)	1019.8	45	NE	2	cm	1014.6	−2	43	0	E	3	–	om	3	–	50	43	bc.om	cm	om	1.5
	Falmouth ...	1020.3	45	NNW	2	o	1015.1	−3	44	+1	SE	1	–	o	1	–	53	42	c.bc.b	b.bc.c.o	o	7.1
	Jersey (St. Aubin)	1019.6	46	NNE	3	c	1015.0	*	40	−5	E	3	–	bm	1	–	51	39	o.c.om	c.b.	bmw	1.4
	Portland Bill ...	1020.4	46	NE	1	o	1015.7	−2	44	+3	NE	1	–	og	1	–	47	40	bc.o	o	o	*
	Dungeness ...	1019.4	48	NNW	2	og	1015.4	−1	43	+1	–	0	–	og	0	–	50	42	o.c.o	o.c.o	o.c.o	*
	Dover ...	1019.9	46	NNW	2	c	1015.6	−2	43	+1	NW	1	–	oz	2	–	49	41	oz.c	c	c.oz	0.0
	Wick ...	1020.9	40	NE	4	o	1016.7	−5	33	−9	NW	2	–	c	3	–	44	30	omp	omrsp	om.c	*
	Nairn ...	1020.3	39	E	1	od.	1016.3	*	31	−14	–	0	–	ow	2	2	47	30	p.r.om	od.	rsp.o	0.0
	Aberdeen ...	1020.3	38	NE	3	r	1016.6	−3	33	−12	NW	3	–	o	2	1	50	32	bc.od	od.	od.rsp	1.3
	Leith ...	1018.9	44	E	1	o	1016.0	−1	36	−5	NE	3	–	r	*	2	57	35	b.bc	bc.c.o	o	*
	Tynemouth ...	1019.0	45	ENE	2	cm	1014.3	−4	40	0	S	2	–	m	3	1	54	40	bcm	bcm.	omp	*
	Spurn Head ...	1020.3	44	E	2	bc	1015.3	−2	41	−2	W	4	–	f	5	–	51	40	c	bc	bc	3.3
	Yarmouth ...	1019.4	46	N	1	cm.	1015.4	−3	41	+2	W	1	–	cm	0	–	49	39	f.cm	cm.	cm	0.4
	Clacton-on Sea	1018.5	47	WNW	1	ogm.	1014.8	−3	42	+1	WSW	1	–	cm	0	–	49	39	ogm	ogm.	og.cm	0.1
	Nottingham ...	1019.3	47	WNW	1	b	1015.1	*	34	−1	W	1	–	me	*	–	49	31	bc.om	o.c.bm	bm	0.3
	Bath ...	1019.5	49	E	1	o	1015.9	*	43	+5	N	1	–	m	*	–	50	38	m.og	og	om	0.2
	London (Kew Obsy.)	1020.0	47	NW	1	om	1015.3	−3	42	+1	SSE	1	–	om	*	–	48	41	om.o	o.om.	om.o	0.0
Iceland, Faeroe, &c.	Spitsbergen ...	1031.7	0	E	6	b	1026.9	−4	−15	−16	–	0	*	b	*	*	12	−15				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	999.4	12	NE	7	o	997.3	0	12	−7	NE	7	–	o	5	*	19	12				
	Bodö ...	1003.7	21	E	2	s	1005.2	0	12	−6	E	2	–	b	2	–	23	9				
	Christiansund	1007.8	30	N	6	s	1004.7	+2	28	+1	–	0	–	c	5	20	30	25				
	Skudesnaes ..	1012.8	28	N	4	c	1008.3	−3	25	−9	N	2	–	c	2	?	34	25				
	Færder (X'iania Fjord)	1004.7	30	NW	5	b	1003.1	−1	25	−11	NNW	2	–	b	2	–	36	25				
	The Scaw (Skagen)	1005.0	32	NNW	6	b	1004.0	−2	30	−7	NW	3	–	b	3	–	43	27				
	Blaavands Huk	1011.7	36	NNW	6	o	1009.3	−1	29	−12	NNW	5	NW	c	4	Trace	41	30				
	Haparanda ...	994.0	14	N	6	b	995.7	0	3	−4	NNW	4	–	b	*	–	23	1				
	Hernösand ...	997.1	21	N	4	b	1000.6	+1	10	−9	N	4	–	b	*	–	21	10				
	Stockholm ...	996.2	19	N	4	bc	997.0	0	18	−7	NW	4	–	c	*	–	28	16				
	Wisby ...	995.9	28	NNW	8	b	997.5	−2	25	−7	NW	6	–	o	*	–	32	23				
	Karlstad ...	1000.2	27	WNW	4	bc	1000.8	0	23	−4	N	6	–	bc	*	–	30	16				
	Petrograd (6 a.m. G.M.T.)														*							
France, &c.	The Heider ...	1017.6	43	NW	3	o	1015.1	−2	39	−5	NNW	2	–	o	1	–	45	39				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1019.3	46	–	0	m	1015.1	−2	42	−4	ESE	3	*	m	1	–	48	41				
	La Hève ...	1019.9	43	N	2	m	1014.1	*	41	−3	–	0	*	m	1	–	48	39				
	Ushant ...	1018.3	46	ENE	3	b	1014.3	*	43		E	2	*	o	3	–	50	38				
	Brest (St. Mathieu)	1018.9	50	N	2	m	1014.4	−2	42	−3	NE	2	*	m	1	–	57	39				
	Rochefort (Ile d'Aix)	1016.6	53	NNW	3	b	1012.2	0	43	+4	E	2	*	b	*	–	59	39				
	Biarritz ...	1014.4	55	ENE	1	b	1011.0	−3	51	+5	–	0	*	b	0	–	61	46				
	Paris ...	1018.9	45	N	2	o	1015.1	−2	43	+9	NNE	1	–	o	*	–	52	34				
	Belfort ...							*					*		*							
	Lyons ...	1018.0	48	E	1	b	1015.9	*	39		S	1	*	b	*	–	55	33				
	Nice ...	1013.7	53	–	0	b	1012.0	−1	45	−3	–	0	*	bc	2	–	61	41				
	Perpignan ..	1016.4	54	–	0	b	1013.9	−1	36	−3	S	1	–	b	*	–	63	32				
	Sanguinaire ...	1014.9	53	NW	2	b	1013.5	*	50	−2	E	2	*	b	2	–	64	43				
Southern Europe.	Corunna (7 a.m.)	1009.0	66	S	5	bc	1007.1	−4	54	+6	S	1	–	o	1	1	66	48				
	Madrid (8 a.m.)	1015.7	52	SE	4	o	1013.7	−1	45		ENE	2	–	o	*	Trace	54	41				
	Lisbon (9 a.m.)	1008.8	54	ENE	3	o	1004.6	−2	55		ESE	2	–	o	5	9	55	54				
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	989.9	*	N	5	r							*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

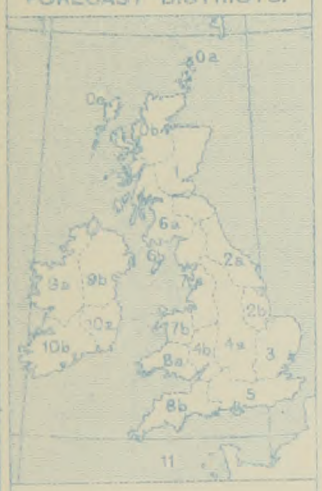
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 (a, b), 1 — Wind mainly Northerly, light or moderate; mostly cloudy or overcast, some mist, rain sleet or snow locally; temperature low.

2 (a, b), 3, 4 (a, b), 5 — Wind light, between North and West, or variable; mostly cloudy or overcast, mist or fog locally, rain or sleet showers later; rather cold.

6 (a, b) — Same as Nos. 0 and 1.

7 (a, b) — Northerly and North-Westerly winds, light; mostly cloudy or overcast, mist or fog locally, rain or sleet showers later; rather cold.

8 (a, b) — Easterly or variable winds, light; cloudy or overcast, some mist; rather cold.

9 (a, b), 10 (a, b) — Northerly or variable winds, light; sky variable, some mist locally; rather cold.

Western Channel and Bay 11 — Easterly and North-Easterly winds, light; sea slight or smooth; some mist.

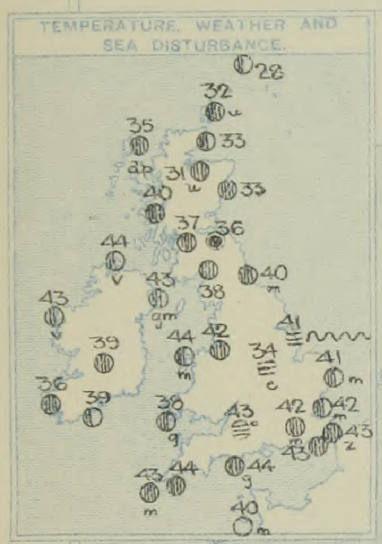
FURTHER OUTLOOK.

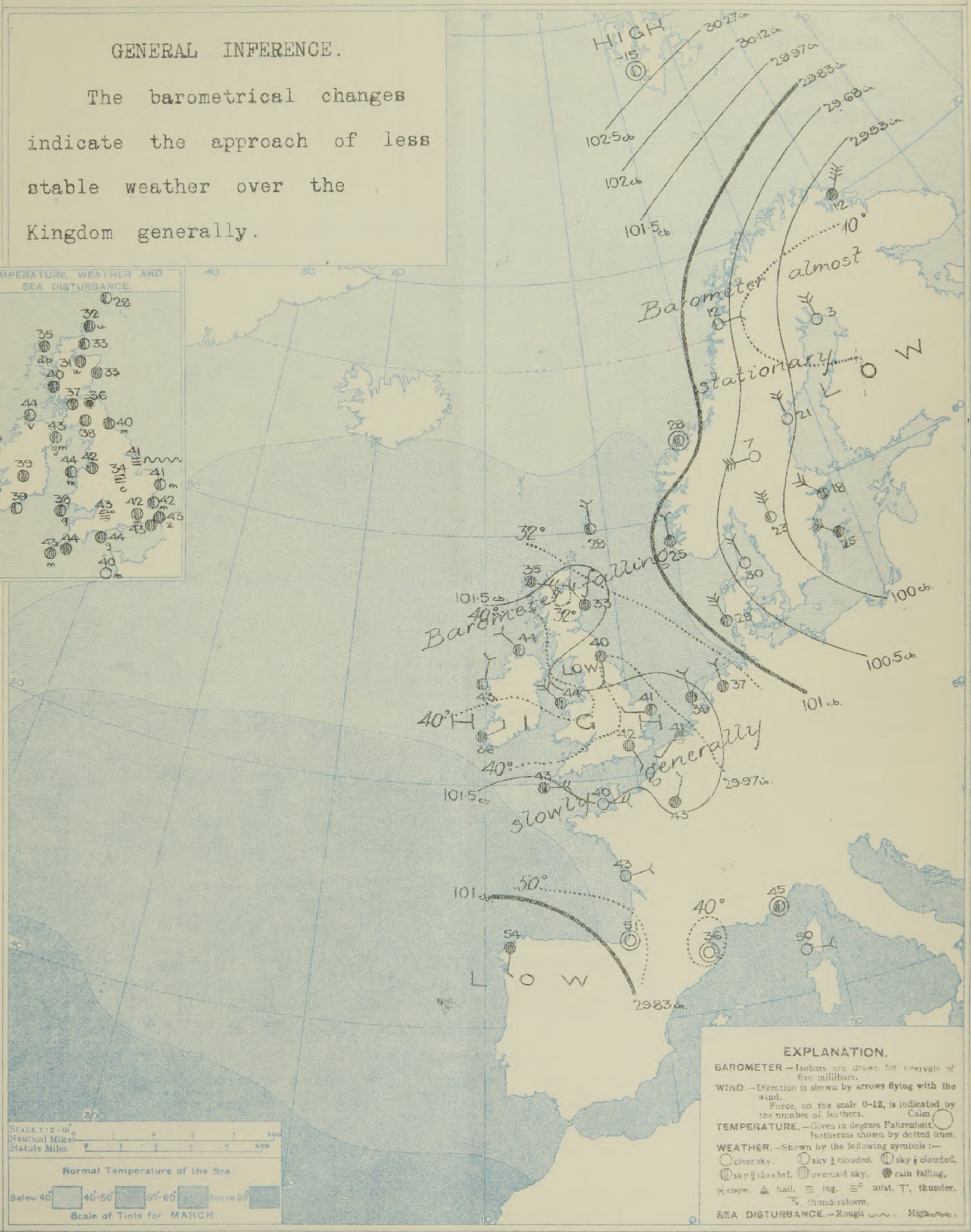
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 17th MARCH, 1915.

GENERAL INFERENCE.

The barometrical changes indicate the approach of less stable weather over the Kingdom generally.





DAILY WEATHER REPORT.

Wednesday, 17th March, 1915.

REPORTS FOR YESTERDAY.

16th March, 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Horta						988.4	-1	54	-3	SSW	6	*	r	6	21	59	52

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	1	45	43			0.0
	Banff	1	43	37	r.od	od	0.0
	St. Andrews	–	58	39	*	*	5.9
Eng. N.E.	Harrogate	–	55	34	o.c.bc	b.bc.o	4.0
	Scarborough	*	54	41	c.b	c.b	4.0
	Skegness	–	48	36	o.c	o.bc	1.2
Eng. N.W.	Morecambe	–	48	43	bc	bc.b	2.5
	Blackpool	–	49	43	c.bc	c.bc	4.7
	Southport	–	48	43	o.c	o.c.b	2.3
Midlands	Buxton	–	45	39	bc.o	bc	0.5
	Leamington Spa	–	48	43	om	om	0.0
	Malvern	–	50	40	c	bc	2.2
	Ross-on-Wye	–	53	31	om	bcz	2.1
Wales	Rhyl	–	48	43	c.bc	bc.o	3.0
	Colwyn Bay	–	52	42	bc	bc	6.0
	Llandudno	–	51	37			5.6
	Aberystwyth	–	47	38	o.c	c.bc	3.7
	Tenby	–	51	33	o.bc	bc	4.5
	Swansea	–	47	37	of	o.b	1.5
England, E.	Cromer	–	47	39	o.c	c.bc.c.b	1.5
	Lowestoft	–	48	38	c.o	o.c	0.0
	Felixstowe	–	50	38	cm	cm	0.1
	Walton-on-Naze	–	49	37	ogm	ogm	0.2
	Southend-on-Sea	–	49	38	o	o	0.1

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	48	38	om	om	0.0
	Margate	–	47	41	og.c	c	0.0
	Ramsgate	–	53	40	o	o	0.0
	Folkestone	–	45	40	o	o	0.0
	Hastings	–	49	41	o	o	0.0
	Bexhill-on-Sea	–	52	38	o	o	0.0
	Eastbourne	–	49	41	om	om	0.0
	Seaford	–	50	39	o	m	0.2
	Brighton	–	49	39	o	o	0.0
	Worthing	–	48	37	o	o	0.0
	Littlehampton	–	48	35	o	o	0.0
	Bognor	–	48	37	o	o	0.0
	Southsea	–	48	38	o	o	0.0
	Bournemouth	–	49	37	o	o	0.2
England, S.W.	Weymouth	–	49	37	o.c	cz	0.2
	Torquay	–	45	34	o	o	0.0
	Paignton	–	46	32	om.o	o	0.0
	Falmouth	–	53	40	c.bc.b	b.bc.c.o	7.1
	Penzance	–	52	43	bc	c	5.0
	Newquay	–	46	39	o.bc	c	2.0
	Ilfracombe	–	47	38	z	bz	1.2
	Weston-super-Mare	–	47	35	om	bc.b.bc	1.5

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature (24 hours ended 9 A.M. To-day) In Screen Max.	In Screen Min.	Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	76	75	0.0	47	41	39	–	o	o	o
City (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	73	78	0.0	48	43	41	–	o	o	o.om
Camden Sq. (Brit. Rainfall)	70	87	0.0	49	43	41	–	o	o	*
Hampstead (Reservoir)	*	85	0.0	46	41	34	–	o	om	om
Richmond Park	*	*	0.0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	69	75	0.0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
373 Joules	8.8 Milliwatts.	20 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature In Screen Max.	Temperature In Screen Min.	Temperature Night Min. on Grass.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	–	52	41	37	bc.o	o.c	c	*
Darwen to 9 p.m.								
Manchester ,,	–	45	41	*	o	o	o.c	0.0
Birmingham ,,	–	46	41	40	*	o	o	0.0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	–	48	34	33	bc.b.f	f.bc.o	o	1.3
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	50	41	33	o.b.o	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

17th & 18th Mar, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.5 / 6.2	12.2 / 12.1	5.58 / 6.0
Greenwich	6.12 / 6.9	12.9 / 12.8	6.6 / 6.7
Wick	6.26 / 6.23	12.21 / 12.20	6.16 / 6.18
Valencia	6.53 / 6.50	12.50 / 12.49	6.46 / 6.48

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 58° at St. Andrews, and to about 55° at some other northern stations. Bright sunshine was very prevalent in the south-west of Scotland and fairly so at various stations in the north-east, west and south-west of Great Britain.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 77. Thursday, 18th March 1915.

Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1008.3	32	N	2	c	1011.5	0	32	+4	N	2	N	bc	2	1	38	26	bcsp	bc	bcsp	*
	Deerness ...	1009.5	28	NE	1	ophzy	1011.5	*	34	+2	NE	3	NE	b	2	Trace	34	29	ophz	ophsz	ophbb	0.2
	Stornoway ...	1011.2	28	NNE	4	csqp	1012.8	+3	33	-2	NE	3	NE	bc	3	5	35	24	os	csqp	bcpo	1.0
	Castlebay (Barra Isd.)	1011.6	36	N	4	bc	1011.8	+1	33	-9	N	3	N	b	3	0.3	45	27	c bc.o	hsp.bc	bhsp b	4.7
	Glasgow ...	1007.0	37	W	3	c	1004.2	+2	31	-6	N	6	E	o	*	1	37	27	orsp.o	sp.op.z	c ospa	0.0
	Eskdalemuir ...	1007.1	36	WSW	2	od	999.4	-3	27	-11	NNE	4	-	osa	*	3	39	23	o.ops.o	ops.od	od.cbs	0.0
	Malin Head ...	1009.6	41	NW	5	bcqp	1007.7	-2	34	-10	NE	6	NW	bcqx	6	Trace	46	32	bcp	bcqp	bcqx	3.5
	Blacksod Point	1012.9	44	NNW	4	cm	1010.7	-3	34	-9	NNE	6	NE	bcpo	3	1	47	32	bcv	bcv	cpcpo	*
	Valencia ...	1011.5	45	NE	1	o	1009.8	+1	38	+2	NE	4	-	c	3	1	48	35	oz	oz	cr	1.8
	Roche's Point	1011.9	46	NE	2	o	1009.6	*	34	-5	NE	2	-	b	2	-	47	34	c.o	o	o.bv	*
	Birr Castle ...	1011.2	46	NW	1	o	1009.3	*	30	-9	NW	2	-	b	*	-	48	29	c	c.o	oph.b	0.2
	Donaghadee ...	1008.0	43	N	4	cgmp	1003.8	-2	32	-11	N	7	-	oqs	4	1	46	30	cmp	cgmp	pso qs	*
	Liverpool (Bidston)	1009.3	43	WNW	2	o	1000.5	?	34	-8	WNW	5	W	bq	4	1	45	33	o	o	or	0.0
	Holyhead ...	1009.2	45	NW	3	oz	1002.6	-4	36	-8	NW	7	N	bcq	6	1	47	33	c.bc.c.o	c bc.c.o	c op.bc	0.5
	Pembroke (St. Ann's)	1011.4	48	NNW	2	bc	1005.2	-1	37	-1	N	4	N	cq	4	-	47	35	cg	c	bc	0.0
	Scilly (St. Mary's)	1008.9	45	NE	2	om	1004.0	-3	45	+2	N	2	N	o	2	-	49	42	om	om	om.bc.o	0.1
	Falmouth ...	1009.0	45	-	0	o	1003.6	-3	43	-1	WNW	2	-	o	1	-	47	41	oz	oz	o	0.0
	Jersey (St. Aubin)	1008.9	46	ENE	2	bm	1002.5	*	42	+2	E	1	-	om	0	-	48	40	om.f	of.mbm	b.om	0.0
	Portland Bill ...	1008.9	46	NE	1	om	1002.2	-2	44	0	NNW	2	-	o	2	-	48	41	om	om	o	*
	Dungeness ...	1008.7	44	-	0	og	1001.5	-4	40	-3	WNW	2	-	o	2	-	47	39	o	o	o.c.o	*
	Dover ...	1009.2	44	-	0	m	1001.1	-4	39	-4	SW	1	-	m	2	-	47	36	oz.c	c.oz	csm	0.1
	Wick ...	1009.4	32	NE	3	s	1010.5	+1	37	+4	NNE	4	-	bc	4	2	37	28	c.omps	ompso	o.bcsp	*
	Nairn ...	1009.4	31	NE	2	gs	1009.8	*	31	0	NNE	4	-	bcuq	5	11	35	27	rs.s	sp.s	sq	0.1
	Aberdeen ...	1008.1	31	E	3	s	1007.7	+1	32	-1	NE	4	-	opsq	4	13	37	30	os	s	sq.osp	0.0
	Leith ...	1006.0	38	W	2	o	1003.1	+3	33	-3	N	4	-	o	*	9	41	29	ors.org	oz	oqs	*
	Tynemouth ...	1007.4	38	SSE	3	omr	?998.4	-4	29	-11	W	3	E	cm	3	3	41	29	omr	omr	cm	*
	Spurn Head ...	1008.2	40	ESE	4	o	1000.2	-4	37	-4	NW	6	?	oqr	6	1	45	37	b	of	om	0.0
	Yarmouth ...	1007.8	46	SW	2	cm	1000.2	-5	40	-1	SW	1	-	f	1	-	50	40	cm	cm	bc.omf	0.4
	Clacton-on-Sea	1007.4	43	SSW	1	ogm	?999.6	-3	40	-2	WNW	1	-	ogm	0	-	45	38	c.om	ogm	ogm	0.0
	Nottingham ...	1008.2	44	NE	1	o	1001.3	*	34	0	W	1	W	s	*	Trace	51	34	f.bm	b.bgm	o	2.4
	Bath ...	1009.2	47	NW	1	o	1002.5	*	36	-7	NE	4	E	o	*	-	49	36	m.o	o	og	0.0
	London (Kew Obsy.)	1008.3	46	W	1	om	1000.9	-3	42	0	WSW	1	-	om	*	-	47	41	om	om.o.om	om	0.0
Iceland, Faeroe, &c.	Spitsbergen ...	1018.9	-13	-	0	b	1011.8	-4	-11	+4	-	0	*	b	*	*	-8	-15				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	994.1	14	N	6	o	991.3	-3	18	+6	NNW	7	-	o	5	*	18	10				
	Bodö ...	1005.1	21	E	2	b	1002.6	-2	23	+11	NW	1	-	c	1	-	?13	?10				
	Christiansund	1006.1	28	-	0	o	1007.4	0	27	-1	-	0	-	b	3	2	30	25				
	Skudesnaes ..	1004.8	30	N	2	c	1009.5	0	25	0	-	0	-	b	2	?	34	21				
	Færder (X'iania Fjord)	1002.6	25	NE	3	o	1008.2	+2	19	-6	N	1	NE	b	1	-	28	18				
	The Scaw (Skagen)	1001.7	27	W	1	c	1008.0	-5	23	-7	NNE	4	-	b	?	-	41	7				
	Blaavands Huk	1006.3	28	NW	2	c	?1007.4	-3	24	-5	ESE	3	W	b	2	Trace	34	23				
	Haparanda ...	996.0	5	N	8	b	997.6	+1	1	-2	N	4	-	bc	*	-	12	-2				
	Hernösand ...	1000.8	12	N	6	b	1003.5	+2	5	-5	N	4	-	b	*	-	16	1				
	Stockholm ...	999.8	14	N	2	b	1003.1	+3	9	-9	NW	4	N	bc	*	-	21	5				
	Wisby ...	999.8	19	NW	6	s	1003.5	+2	19	-6	N	6	-	bc	*	1	27	18				
	Karlstad ...	1002.3	21	NE	4	bc	?1008.7	+3	9	-14	E	2	-	b	*	-	25	5				
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1009.5	36	NE	2	r	1002.7	-2	37	-2	ESE	3	-	o	2	7	39	34				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1008.2	44	SSW	2	o	1001.1	-3	43	+1	W	?	*	m	2	-	46	41				
	La Hève ...	1007.5	41	N	2	m	1002.7	*	41	0	SW	2	*	m	1	-	46	29				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1008.0	53	NNE	3	m	1003.5	-1	43	+1	NE	1	*	m	1	-	55	41				
	Rochefort (Ile d'Aix)	1006.9	54	SW	1	bc	1001.3	-3	45	+2	SE	2	*	o	*	-	66	43				
	Biarritz ...	1003.7	57	ENE	2	c	1001.5	0	56	+5	SSW	2	*	c	1	-	66	51				
	Paris ...	1007.7	45	N	2	b	1002.9	0	36	-7	-	0	-	o	*	-	55	30				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	1010.1	49	-	0	b	1009.3	-2	46	+1	-	0	*	c	2	-	59	41				
	Perpignan ..	1006.6	54	-	0	b	1005.0	0	41	+5	-	0	-	b	*	-	63	36				
	Sanguinaire ...	1011.9	54	W	1	b	1009.2	*	48	-2	E	2	*	o	2	-	68	45				
Southern Europe.	Corunna (7 a.m.)	1004.3	57	S	5	o	1000.7	-3	48	-6	SSE	3	-	c	1	4	61	48				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	993.9	*	NW	4	c							*									
	Madeira (Funchal)																					

GALES.

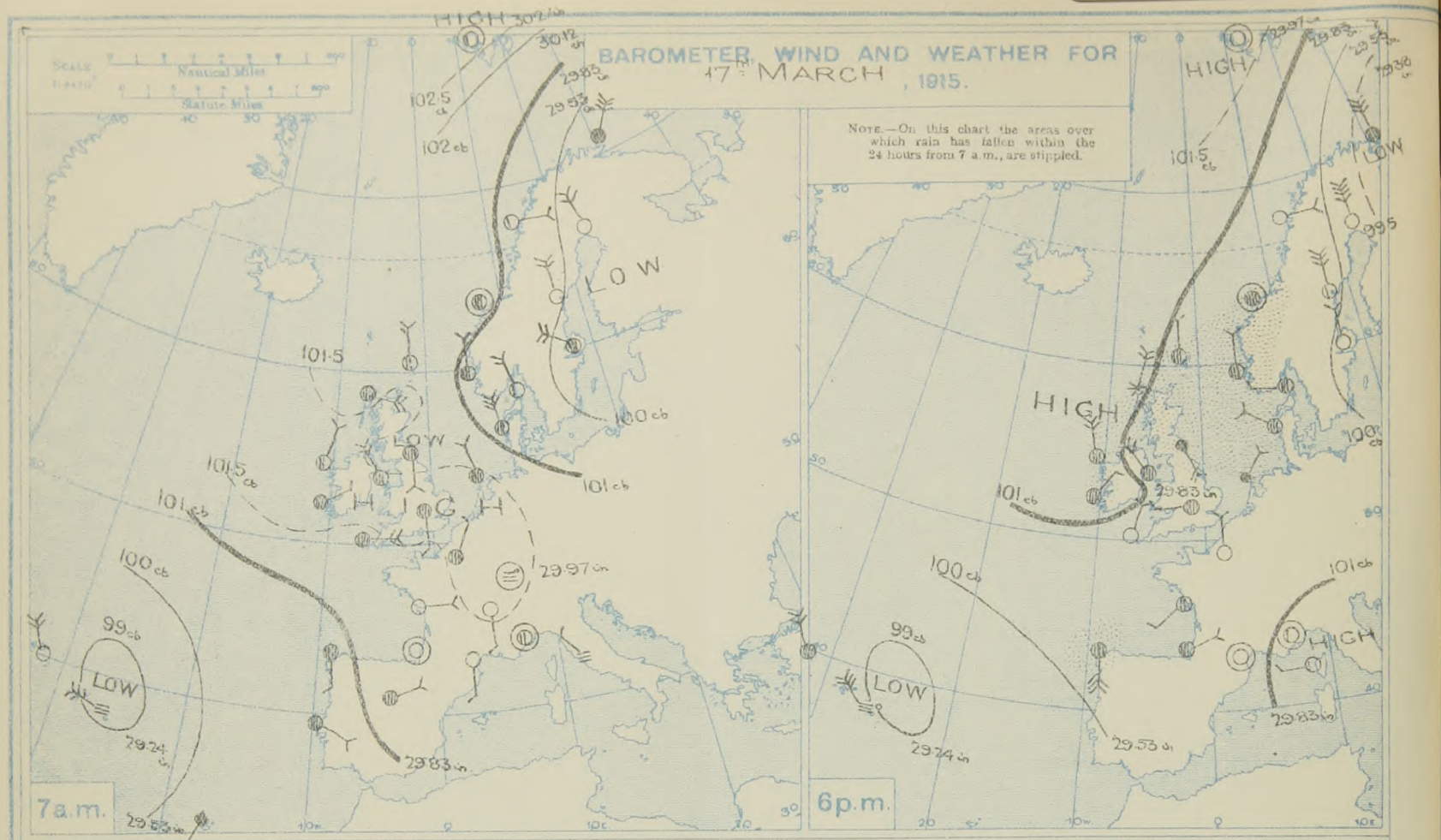
Duration and Extreme Force in British Islands.

Aberdeen.

gust ENE. 19th p.m.

11th p.m. 17th.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones Hoisted at 8.10 a.m.

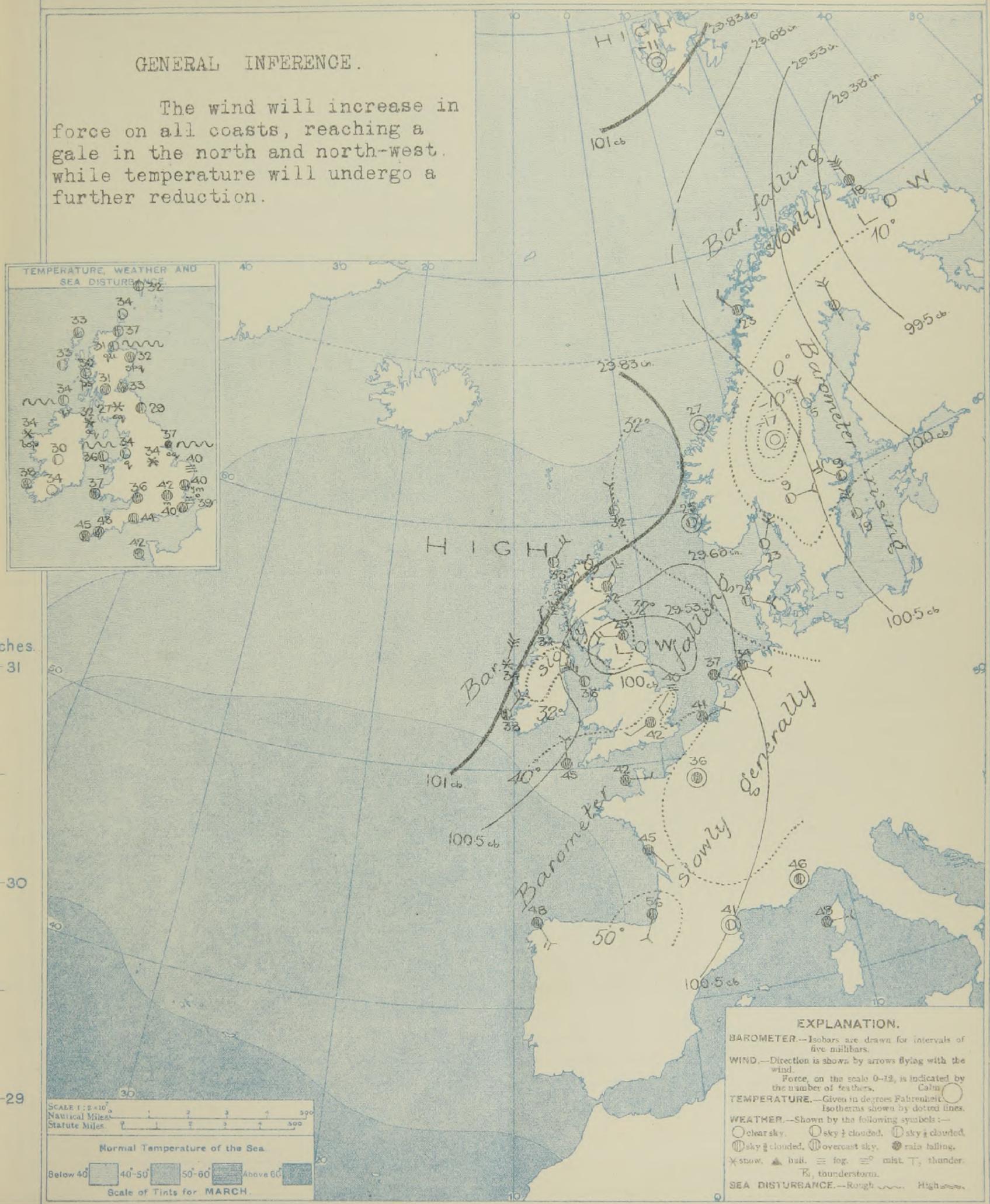
0 a, b, 1, 2 a, b	Northerly and North-Easterly winds, fresh or strong a gale in places; variable sky, occasional showers of snow; temperature considerably below the normal.
3, 4 a, b, 5	Westerly to North-Westerly or Northerly winds, light, then increasing; overcast or cloudy, then some snow or sleet showers, mist or fog locally; temperature falling.
6 a, b, 7 a, b	Strong winds or gales from North and North-West; variable sky, occasional showers of snow; temperature considerably below the normal.
8 a, b	Same as Nos. 3 to 5.
9 a, b	Same as Nos. 6 and 7.
10 a, b	Northerly winds, light to fresh; variable sky, occasional showers of snow; temperature considerably below the normal.
Western Channel and Bay 11	Wind light to moderate; sea slight; some rain, sleet or snow showers.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970 — Inches: 31, 30, 29

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 18TH MARCH, 1915.



DAILY WEATHER REPORT. Thursday, 18th March, 1915.

REPORTS FOR YESTERDAY.

17th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Castlebay						1014.8	-2	42	-4	WNW	2	W	c	2	1	50	40
Belfort	1019.5	45	E	2	m	1015.8	*	37		-	0	*	m	*	-	55	36
Rome	1016.0	52	-	0	b	1015.0	+1	39		-	0	-	f	*	-	61	39
Horta						994.0	0	56	+2	WNW	4	*	o	3	9	59	55
Funchal	1008.6	64	SSW	3	o	1003.8	-2	59		SSW	2	W	r	2	10	66	59

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	48	40			1.2
	Banff	3	35	29	s	s	0.0
	St. Andrews	5	35	33	*	*	0.0
Eng., N.E.	Harrogate	-	44	38	o	om	0.0
	Scarborough	*	41	37	of	of	0.0
	Skegness	-	49	38	og	ogr	0.1
Eng., N.W.	Morecambe	-	45	37	om	c	0.2
	Blackpool	0.3	43	33	og	om.c	0.0
	Southport	-	45	34	o	o	0.0
Midlands.	Buxton	-	43	29			0.0
	Leamington Spa	-	47	34	of	of	0.0
	Malvern	-	48	41	c	c	0.0
	Ross-on-Wye	-	49	42	o	o	0.0
Wales.	Rhyl	-	47	43	bc	g	0.7
	Colwyn Bay	-	47	42			0.0
	Llandudno	-	47	36	o	c	0.0
	Aberystwyth	-	46	42	o.c	c.o	0.2
	Tenby	-	48	36	bc.o	o	0.3
	Swansea	-	48	39	o	o	0.0
England, E.	Cromer	-	50	40	o.c	o.cm	0.9
	Lowestoft	-	49	38	o.c	c.o	0.1
	Felixstowe	-	47	37	cm	om	0.6
	Walton-on-Naze	-	46	38	ogm	ogm	0.0
	Southend-on-Sea	-	46	40	o	o	0.0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	-	47	41	om	om	0.0
	Margate	-	48	40	o	o	0.0
	Ramsgate	-	45	40	o	o	0.0
	Folkestone	-	48	43	o	o	1.2
	Hastings	-	47	43	o	o	0.0
	Bexhill-on-Sea	-	52	39	o	o	0.0
	Eastbourne	-	47	44	of	om	0.0
	Seaford	-	47	42	o	o	0.0
	Brighton						
	Worthing	-	48	42	o	o	0.0
	Littlehampton	-	47	41	o	o	0.0
	Bognor	-	48	43	o	o	0.0
	Southsea						
	Bournemouth	-	48	41	o	o	0.1
England, S.W.	Weymouth	-	48	42	o.c	c.om	0.0
	Torquay	-	47	43	o	o	0.0
	Paignton	-	48	43	o	o	0.0
	Falmouth	-	47	42	og	og	0.0
	Penzance	-	48	43	of	o	0.0
	Newquay	-	46	41	ogg	ogg	0.0
	Ilfracombe	-	47	39	o	o	0.0
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 A.M. To-Day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	74	85	0.0	47	36	27		o	o	o, bc, cg
City (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	68	77	0.0	48	41	36	-	ou bc	bc	bc u. ue
Camden Sq. (Brit. Rainfall)	66	72	0.0	48	40	37	-	om, o	o	*
Hampstead (Reservoir)	*	73	0.0	46	36	27	-	o	ox	o
Richmond Park	*	*								
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	62	76	0.0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
258 Joules	6.0 Milliwatts.	15 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	Trace	49	44	41	o.c	po.c	c	*
Darwen to 9 p.m.								
Manchester "	0.2	47	39	*	c.o	o	op	0.0
Birmingham "	-	45	36	25	*	o	o	0.0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	-	52	43	41	bc.b.o	o	o	0.0
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	-	48	44	41	og	o.ogo	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

18th & 19th March 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.2 / 6.0	12.1 / 12.1	6.0 / 6.2
Greenwich	6.9 / 6.7	12.8 / 12.8	6.7 / 6.9
Wick	6.23 / 6.20	12.20 / 12.20	6.18 / 6.20
Valencia	6.50 / 6.48	12.49 / 12.49	6.48 / 6.50

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 40° in some parts of Scotland, and below the average in most districts. Scarcely any bright sunshine was recorded except in the Hebrides.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 78. Friday, 19th March 1915.

Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1010·5	34	N	3	bc	1004·4	-3	27	-5	-	0	-	bc	0	3	34	25	bc	bc	bcsp	*
	Deerness ...	1011·2	34	N	3	bc	1004·4	*	32	-2	SSW	3	-	ou	3	1	39	28	b.bcp	bc	bcps.c.o	6·5
	Stornoway ...	1013·6	35	NE	3	csp.	1006·7	-4	31	-2	W	3	-	bc	3	2	41	29	c.bc.	bc.cps	cps.bc	6·0
	Castlebay (Barra Isd.)	1013·2	38	N	3	b	1009·2	-2	36	+3	W	3	-	osp	3	-	41	31	bcp.b.	b	b osp	8·8
	Glasgow ...	1009·9	34	NE	4	b.	1009·5	0	28	-3	W	1	N	b	*	-	38	26	csp.bq	bq	bc.c.b	7·5
	Eskdalemuir ...	1006·2	28	NE	6	bc	1008·8	0	25	-2	NNE	1	-	b	*	2	31	24	osq	os.bc.c	c.bc	0·8
	Malin Head ...	1011·8	39	NE	6	bcqv	1010·9	0	37	+3	N	4	NW	bcv	4	0·2	41	33	bcqv	bcqv	bc	9·5
	Blacksod Point	1012·6	38	NNE	5	bc	1013·4	0	34	0	NNE	2	NE	bc	2	-	41	31	bcv	bcv	bc.cs	*
	Valencia ...	1010·8	41	NNE	4	bc	1013·2	+1	32	-6	ENE	1	-	b	3	-	42	32	bch	bc	bc	7·9
	Roche's Point	1008·6	42	NNE	5	b	1011·5	*	33	-1	NNE	2	-	b	2	-	44	31	b.bc	b	b	*
	Birr Castle ...	1009·6	38	N	4	bc	1013·9	*	22	-8	NW	2	-	b	*	-	43	22	cps.bc	bc	bc	10·2
	Donaghadee ...	1007·6	38	NNE	7	cgm	1009·1	0	34	+2	NW	4	N	bcph	4	Trace	40	31	cgm	cgm	bcaps	*
	Liverpool (Bidston)	998·5	33	N	4	o	1007·3	+4	32	-2	N	3	-	b	3	2	36	31	bcs	c.os	bc	2·3
	Holyhead ...	1001·6	39	NNE	9	ogq	1008·6	+3	37	+1	NNE	5	NE	c	5	1	40	33	osp.cp	o.c o.cq	o.c.bc.c	0·2
	Pembroke (St. Ann's)	1002·3	39	NE	6	c	1008·5	+2	35	-2	NE	4	NE	cq	4	-	40	34	cq	cqps	cq	5·1
	Scilly (St. Mary's)	1005·0	40	N	5	c	1007·3	+1	40	-5	NNE	6	NE	c	6	-	45	40	c.bc	c	c	4·7
	Falmouth ...	1003·0	40	N	4	bc	1006·9	+4	37	-6	NNE	4	-	c	4	-	43	36	of b.	b.bc	bc.c.o.c	4·2
	Jersey (St. Aubin)	1000·6	42	NW	3	b	1002·6	*	38	-4	NNW	4	-	oq	3	Trace	48	37	om f.gm	c.op.c.b	b.og	0·8
	Portland Bill ...	997·2	41	NW	5	bc	1002·3	+6	35	-9	N	6	N	c	3	-	48	33	o	o.c bc.	bc.c	*
	Dungeness ...	996·3	34	NW	1	c	992·3	0	33	-7	NW	5	NW	c	4	0·1	44	28	ogz	oph.c	bcqs	*
	Dover ...	996·9	32	NW	1	o	994·1	+1	34	-5	N	3	N	o	4	0·4	44	28	oh	bps	b.ogps	0·0
	Wick ...	1011·5	35	N	3	c	1006·0	-4	25	-12	W	2	W	bc	3	4	38	24	bcps	bcsp.c	omo.bc	*
	Nairn ...	1011·3	36	NNE	2	cu	1007·5	*	27	-4	-	0	-	bc	2	0·1	38	24	bc	bcv	cph.c	6·5
	Aberdeen ...	1010·7	35	NE	3	b	1007·3	-1	28	-4	WNW	3	NW	b	3	1	38	27	bcq	bcq.b.	bcsp.b	9·5
	Leith ...	1008·2	37	NE	3	c	1008·5	0	31	-2	WSW	2	-	b	*	2	38	31	opo	o.c	c	*
	Tynemouth ...	1002·9	27	NE	5	omqs	1005·2	+1	35	+6	NE	3	NE	c	4	10	41	27	oms	oms	c	*
	Spurn Head ...	996·6	35	S	2	o	1000·4	+9	32	-5	NE	8	-	cq	7	8	37	29	ops	ops	oms	0·6
	Yarmouth ...	995·4	31	NW	1	oms	994·0	+4	33	-7	N	6	-	oqms	4	8	41	22	f.oms	oms	bc oms	0·0
	Clacton-on-Sea	994·8	32	S	1	bc	993·1	+3	32	-8	NNW	3	N	c	2	1	40	26	ogm pd.	ogs.bc	bc os.c	0·0
	Nottingham ...	994·2	32	NE	4	S	1002·5	*	32	-2	N	4	N	c	*	5	41	29	ops.c	cts.o	sc.os	2·1
	Bath ...	995·8	39	NW	4	bc	1004·0	*	34	-2	NE	5	NE	o	*	0·3	44	32	h.o.c.bc	c.bc	bcps.o	3·8
	London (Kew Obsy.)	994·3	37	S	3	om	999·0	+9	32	-10	N	6	-	o	*	1	42	31	om.oms.om	oms bc.oms	bc.oqs.o	1·0
Iceland, Faeröe, &c.	Spitsbergen ...	1009·7	-13	SE	2	b	1010·3	+3	-15	-4	SE	2	*	m	*	*	-8	-15				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	991·8	21	NNW	7	o	990·7	0	21	+3	N	7	-	o	6	*	21	10				
	Bodö ...	1002·4	23	NNE	4	c	1000·4	-2	16	-7	ENE	4	-	b	2	-	27	12				
	Christiansund	1005·0	29	SSW	2	c	999·9	-1	30	+3	-	0	-	s	4	10	32	27				
	Skudesnaes ..	1009·1	30	SW	3	o	1003·7	-2	32	+7	S	6	-	s	4	?	36	25				
	Færder (Xiania Fiord)	1009·0	26	SW	2	b	1005·6	-2	28	+9	WSW	4	-	b	2	-	28	19				
	The Scaw (Skagen)	1010·0	25	ENE	2	b	1007·0	-1	25	+2	SSE	3	-	bc	3	-	28	23				
	Blaavands Huk	1008·7	27	ESE	3	b	1001·9	-4	25	+1	E	4	-	o	4	-	32	21				
	Haparanda ...	1000·3	7	NW	2	b	1002·6	+1	-15	-16	SE	2	-	bc	*	-	14	-15				
	Hernösand ...	1003·3	14	N	2	b	1004·8	0	1	-4	-	0	-	b	*	-	21	-3				
	Stockholm ...	1006·1	16	W	2	b	1006·3	0	19	+10	WSW	2	-	o	*	-	21	9				
	Wisby ...	1008·3	19	N	6	bc	1009·9	0	21	+2	SW	2	-	b	*	-	21	16				
	Karlstad ...	1009·0	19	W	2	b	1007·3	-1	18	+9	W	2	-	b	*	-	25	7				
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	997·6	34	E	5	S	988·6	-4	30	-7	NE	5	-	S	4	18	39	30				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	996·7	35	WNW	4	T	992·7	0	33	-10	WNW	6	*	o	5	1	45	32				
	La Hève ...	998·6	36	NW	3	o	996·6	*	36	-5	N	8	*	o	5	-	46	36				
	Ushant ...	1001·2	43	NE	5	c	1005·3	*	43		NE	6	*	o	4	-	48	39				
	Brest (St. Mathieu)	1003·4	41	N	3	b	1005·5	+2	41	-2	N	4	*	o	3	-	52	39				
	Rochefort (Ile d'Aix)	992·6	50	NNW	1	o	1002·0	+1	41	-4	NNE	3	*	b	*	2	55	39				
	Biarritz ...	998·4	55	S	2	T	999·4	0	50	-6	NNE	4	*	o	2	1	63	50				
	Paris ...	997·1	43	-	0	c	997·2	+1	34	-2	SW	2	-	o	*	-	57	32				
	Belfort ...	999·5	52	WSW	6	o	995·0	*	45		SW	4	*	T	*	1	55	43				
	Lyons ...	1000·7	52	SSW	3	o	998·1	*	46		SSW	1	*	o	*	-	59	45				
	Nice ...	1005·6	47	-	0	T	997·6	-2	47	+1	-	0	*	o	2	13	57	43				
	Perpignan ..	999·1	52	E	1	o	998·7	+1	45	+4	SW	1	SW	o	*	Trace	57	41				
	Sanguinaire ...	1002·6	54	S	1	o	997·5	*	55	+7	S	2	*	o	2	-	64	45				
Southern Europe.	Corunna (7 a.m.)	997·9	59	SW	4	o	1001·3	+2	50	+2	NE	5	-	o	3	2	59	48				
	Madrid (8 a.m.)	999·7	55	WSW	2	T	1000·7	+1	45		NE	1	-	o	*	4	55	43				
	Lisbon (9 a.m.)	999·8	57	SSW	4	bc	996·7	0	52	-3	NNE	3	-	o	6	-	61	55				
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	993·5	*	NW	4	c							*									
	Madeira (Funchal)	999·9	61	SW	3	o	1003·8	+2	59	-2	N	2	W	o	3	-	64	55				

GALES.

Duration and Extreme Force in British Islands.

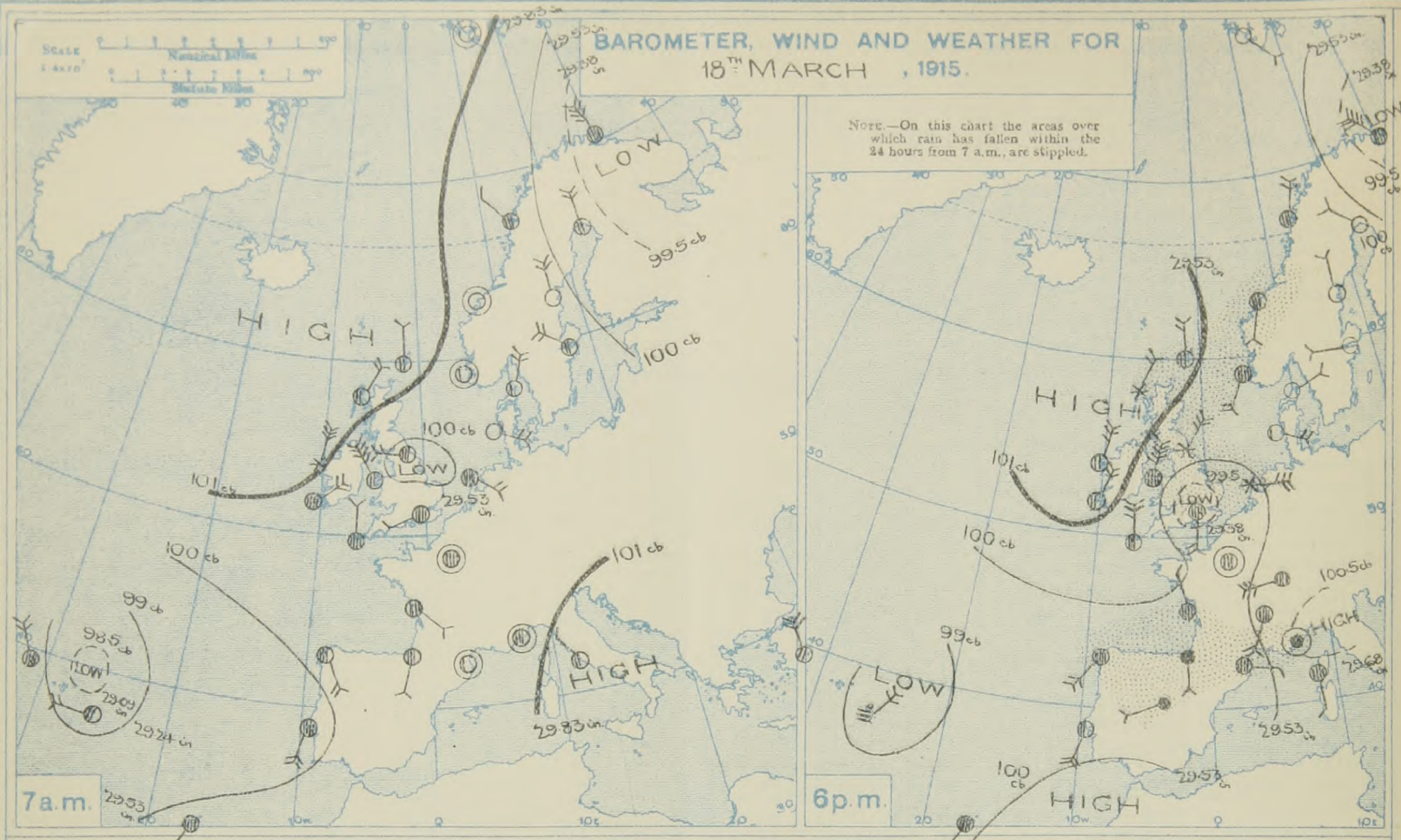
Eskdalemuir
18th 3pm & 11pm NNE. 8
gust 27 m.p.s.

Holyhead
18th 10a.m. N. 9 gust 26 m.p.s.
18th afternoon N. 9

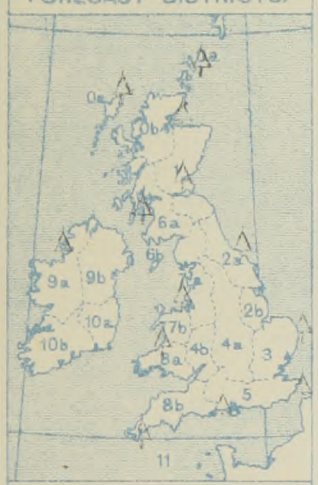
Spurn Head
18th 7pm – 19th 7am NNE. 8
18th 11pm NNE. 10

Nottingham
18th 11pm – 19th 2a.m. N. 8
18th 11pm N. 9.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones Hoisted at 2.10 & 7.10 p.m.

Western Channel and Bay

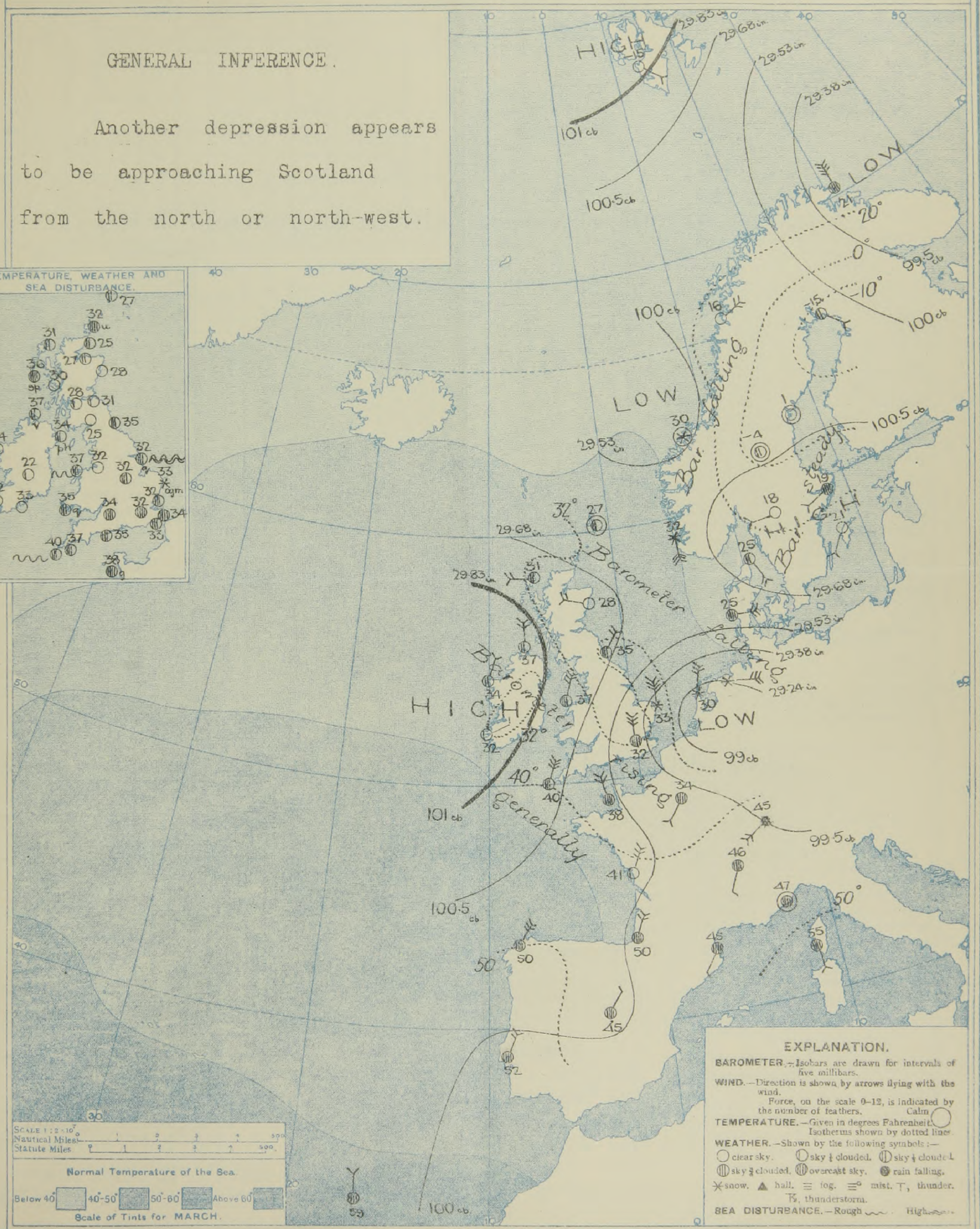
0 a, b, 1	Westerly or South-Westerly, then North-Westerly winds, increasing; fair or bright, then some snow showers; cold.
2 a, b, 3, 4 a, b, 5	North-Easterly and Northerly winds, decreasing gradually later in day, backing towards North-West by to-morrow; changeable, snow showers locally, then fairer temporarily; temperature low.
6 a, b	Same as Nos. 0 and 1.
7 a, b, 8 a, b, 9 a, b	Wind mainly Northerly, fresh to light; changeable, considerable fine periods, local showers of hail or snow; temperature low.
10 a, b, 11	North-Easterly and Northerly winds, fresh to moderate; sea rather rough; mostly fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 19TH MARCH, 1915.



DAILY WEATHER REPORT. Friday, 19th March 1915.

REPORTS FOR YESTERDAY.

13th March, 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Lisbon	1003.4	59	SSW	2	o	997.0	0	55	0	SSW	4	-	o	5	16	63	54
Rome	1015.1	50	-	0	b	1013.1	-2	45	+6	NW	1	-	bc	4	--	59	43
Horta						985.2	+1	57	+1	N	2	1	o	4	8	63	54
Funchal	1004.3	64	SSW	4	o	1002.6	-2	61	+2	SW	3	-	o	3	1	64	59

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	3	42	27			9.1
Scotland	Banff	3	39	29	bc.b	b.bc	8.0
Scotland	St. Andrews	4	37	31	*	*	2.1
Eng., N.E.	Harrogate	2	33	25	oo	c.oo	1.6
Eng., N.E.	Scarborough	*	42	30	oo	oo	5.6
Eng., N.E.	Skegness	1	34	30	oo	s.bc	1.2
Eng., N.W.	Morecambe	2	38	32	s.bc	b.bc	4.1
Eng., N.W.	Blackpool	1	42	31	ohs.bc	c.oo	4.2
Eng., N.W.	Southport	1	35	31	m.cho.c	c.oo	2.8
Midlands	Buxton	4	40	19	bc	co	2.8
Midlands	Leamington Spa	1	42	34	o.bc	bc.o	3.0
Midlands	Malvern	-	41	31	b	bc.c	4.0
Midlands	Ross-on-Wye	1	45	31	bc	bcps	5.3
Wales	Rhyl	1	37	32			2.9
Wales	Colwyn Bay	2	40	30	bc.oo	bc	3.0
Wales	Llandudno	2	40	25	o	o.oo	2.1
Wales	Aberystwyth	1	42	34	o.c.b	c.oo	4.3
Wales	Tenby	1	41	34	bc.c	o	4.3
Wales	Swansea	1	42	36	bco	c	4.8
England, E.	Cromer	6	41	30	ooo	s	0.0
England, E.	Lowestoft	6	37	30	oo	oo	0.0
England, E.	Felixstowe	2	41	31	ogr	ogo	0.0
England, E.	Walton-on-Naze	2	39	30	ofd.og	ogo.bc	0.0
England, E.	Southend-on-Sea	1	41	?	o	s.bc	0.0
England, S.E.	Tunbridge Wells	0.3	43	32	om	b	0.5
England, S.E.	Margate	1	42	?	obg o	ors	0.0
England, S.E.	Ramsgate	1	43	31	og	os	0.0
England, S.E.	Folkestone	0.3	43	33	o	bco	0.0
England, S.E.	Hastings	-	45	34	o	o.bc	0.0
England, S.E.	Bexhill-on-Sea	-	46	35	o	o.c.b	0.1
England, S.E.	Eastbourne	-	45	35	ob	o.bc	0.1
England, S.E.	Seaford	-	45	34	c	c	0.5
England, S.E.	Brighton	-	45	40	o	o.c	0.5
England, S.E.	Worthing	-	45	35	o	bc	1.2
England, S.E.	Littlehampton	-	46	34	o	og.bc	0.7
England, S.E.	Bognor	-	46	34	o	o.bc.b	1.4
England, S.E.	Southsea	-	44	39	ou	c.b	1.8
England, S.E.	Bournemouth	Trace	44	33	o.c	bc.b	3.8
England, S.W.	Weymouth	-	45	36	s.bc	bc	4.0
England, S.W.	Torquay	-	43	39	o	c.bc	4.7
England, S.W.	Paignton	-	44	37	bc	bc.s.b	6.4
England, S.W.	Falmouth	-	43	40	ob	b.bc	4.2
England, S.W.	Penzance	-	48	40	o.bc	bc.o	4.2
England, S.W.	Newquay	-	41	38	ov.bc	bo.ov	4.0
England, S.W.	Ilfracombe	-	42	37	o.c bc	bcpq.c	3.2
England, S.W.	Weston-super-Mare	-	43	33	bc.b	b.bc	5.5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-Day.) °F.	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
Greenwich (Royal Obsy.)	83	69	0.6	41	30	26	1	o	o.c.o	o.oo.o
City (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	81	82	0.4	42	31	28	2	u.oo	o	w.ou
Camden Sq. (Brit. Rainfall)	75	87	0.1	40	29	27	1	o.s	cp.bc	*
Hampstead (Reservoir)	*	79	0.5	44	27	19	1	c.oo	ox.o	o
Richmond Park	*	*	1.2							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	74	81	0.7							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
240 Joules	5.6 Milliwatts.	28 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,					*			
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	-	46	39	40	o	c.bc	b.bc	4.9
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	47	33	35	o	om.oo	od.oo.o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

19th & 20th Mar. 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	6.0 / 5.58	12.1 / 12.1	6.2 / 6.9
Greenwich	6.7 / 6.5	12.8 / 12.8	6.9 / 6.10
Wick	6.20 / 6.18	12.20 / 12.20	6.20 / 6.21
Valencia	6.48 / 6.46	12.49 / 12.49	6.50 / 6.51

NOTES ON YESTERDAY'S WEATHER.

Temperature failed to reach 35° in some parts of England. Snow showers were experienced very generally, the largest measurements being in the east and north-east. Much bright sunshine was recorded in Ireland and Scotland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 79 — Saturday, 20th March, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1003.3	30	N	5	om	1005.8	0	27	0	S	1	S	c	1	1	37	25	bc	csap	bem	*
	Deerness ...						1005.4	*	32	0	S	4	-	ox	3	1	39	27			ox	5.4
	Stornoway ...	1007.6	36	NNE	3	bc	1002.7	-5	37	+6	SW	6	-	ow	5	1	39	31	c	c.bc	c.odpa	4.3
	Castlebay (Barra Isd.)	1006.6	37	-	0	bc	1005.5	-2	41	+5	WSW	3	-	o	3	7	42	32	sp.bc.o	osp.bc	bc.b.o	3.5
	Glasgow ...	1007.3	38	W	3	bc	1009.3	+1	32	+4	WSW	1	-	om	*	0.2	43	27	b.bc.c	o.c.bc.c	c.ospo	8.2
	Eskdalemuir ...	1007.9	34	WNW	3	bc	1011.0	+3	27	+2	-	0	-	om	*	0.2	37	23	b	b.bc.c	c.os	9.6
	Malin Head ...	1008.4	41	W	5	cqp	1009.5	0	40	+3	WNW	5	W	cqr	5	5	43	35	bcqp	bcq	cqr	7.5
	Blacksod Point	1013.5	42	WNW	4	bc	1013.9	0	41	+7	W	5	W	cp	4	2	44	33	bcv	bc	bc cp	*
	Valencia ...	1014.2	43	N	2	b	1016.9	+1	31	-1	-	0	-	cx	3	-	45	29	b	b.	bcx	9.9
	Roche's Point	1013.8	44	N	2	b	†1017.4	*	34	+1	N	2	-	b	2	0.1	46	32	b.bc	bc.b.	bx	*
	Birr Castle ...	1012.6	42	NW	1	bc	1015.2	*	31	+9	W	1	-	bc	*	-	46	22	b	bc	bcx	7.6
	Donaghadee ...	1008.8	42	NW	4	bc	1010.8	+1	39	+5	WSW	3	W	cqm	2	-	44	34	bc.o	bc	bc.cqm	*
	Liverpool (Bidston)	1010.0	37	NW	3	bc	1011.7	+2	39	+7	W	5	W	oq	4	4	42	32	b	b	b.or	8.3
	Holyhead ...	1009.9	40	W	4	cp	1012.9	+2	40	+3	WNW	5	-	opqgm	4	1	44	34	cps.o.c	cps.bc	b.bcp.c	5.7
	Pembroke (St. Ann's)	1012.3	37	NE	2	bc	1016.0	+1	41	+6	NNW	2	-	bc	3	-	43	34	cq	cqpo	bc	9.8
	Scilly (St. Mary's)	1011.4	41	NNE	4	bcv	1016.8	+2	37	-3	NE	1	-	bv	3	-	44	36	bc	bc	bcv.bv	8.4
	Falmouth ...	1011.9	40	N	4	b	1017.4	+3	32	-5	NNW	1	-	bx	2	-	43	29	c.bc.b	b.	b.bx	9.7
	Jersey (St. Aubin)	1009.0	40	N	3	bc	1016.6	*	29	-9	E	2	-	bm	1	-	41	28	o	o.c.bc	bmwx	1.8
	Portland Bill ...	1009.5	40	NNE	5	bc	1013.2	+2	39	+4	N	1	-	b.	2	-	43	35	bc	bc.	b.bc	*
	Dungeness ...	1006.7	37	NNW	4	bc	1014.1	+3	29	-4	NW	2	N	bx	1	-	39	24	bc.o	o.bc	bx	*
	Dover ...	1007.5	34	N	5	bc	1014.6	+3	36	+2	W	4	-	b	3	-	39	26	os.bc	bc	b	5.2
	Wick ...	1003.9	34	NNW	4	o	1006.1	-3	33	+8	W	1	-	bc	3	0.4	38	24	bcsp	ompaq	oq.bc	*
	Nairn ...	1006.5	35	NW	3	bcv	1006.9	*	25	-2	-	0	-	ow	2	0.2	39	20	bcpo.c	phbcv	bc	5.5
	Aberdeen ...	1005.3	35	WNW	3	b	1008.6	+1	27	-1	WSW	1	NW	b	2	0.1	40	26	b.	b.bc.b	bcp.b	10.0
	Leith ...	1006.2	42	NW	2	o	1009.4	+1	33	+2	W	1	-	cq	*	-	43	29	b.bc	bc.c.o	o	*
	Tynemouth ...	1006.7	36	WNW	2	bm	1009.4	+2	33	-2	NW	2	NW	bc	4	5	38	31	oms	b.	bc	*
	Spurn Head ...	1007.7	37	NNE	4	bc	1010.3	+4	35	+3	W	4	-	oqsf	6	2	40	30	bcq	bc	bc	7.6
	Yarmouth ...	1006.8	35	N	4	o	1012.3	+3	29	-4	W	2	W	bm	1	3	37	27	omqs	cq.bc	bcq.cm	3.4
	Clacton-on-Sea	1006.6	37	N	4	bc	1012.2	+2	32	0	W	2	W	bc	2	1	38	30	cps.bc	bc	bc.bx	6.2
	Nottingham ...	1008.3	39	NW	3	b	1011.7	*	34	+2	W	2	W	c	*	-	41	29	c.bc	bc.bm	b	6.3
	Bath ...	1009.7	40	N	2	b	1015.2	*	31	-3	NW	1	N	bc	*	-	44	24	o.c.bc.b	bc.b	b.bc	9.2
	London (Kew Obsy.)	1009.0	38	NNE	2	bm	1014.6	+2	30	-2	SW	2	N	bmx	*	-	39	27	oq.cq.bc	bcq.bm	bm.bmx	6.3
ICELAND, FAEROE, &c.	Spitsbergen ...	1008.7	-4	NE	7	b	1012.0	0	-4	+11	E	7	*	b	*	*	-4	-17				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...															*						
	Bodö ...																					
	Christiansund																					
	Skudesnaes ...																					
	Færder (Christiania Fjord)	1003.7	27	WSW	2	b	1003.0	0	23	-5	W	1	-	b	1	-	28	23				
	The Scaw (Skagen)	1002.3	28	ENE	3	c	1003.9	+3	30	+5	N	1	-	b	1	-	30	25				
	Blaavands Huk	1000.0	25	NE	5	s	1006.9	+3	30	+5	NNW	1	N	c	1	-	30	21				
	Haparanda ..†	1004.2	1	SSW	2	b	1004.6	0	12	+27	S	4	-	o	*	-	12	-15				
	Hernösand ..†	1003.8	21	S	2	b	1002.0	0	9	+8	-	0	-	b	*	-	23	1				
	Stockholm ..†	1005.5	23	S	2	c	1001.5	-1	19	0	ENE	4	-	s	*	1	28	19				
	Wisby ... ..†	1005.7	23	NNE	2	b	993.9	0	19	-2	NE	4	-	s	*	10	28	18				
	Karlstad ... ..†	1004.8	23	-	0	b	1003.7	?	9	-9	N	2	-	b	*	-	28	7				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1001.5	32	NNW	6	c	1010.1	+2	37	+7	W	2	-	bc	2	3	37	28				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1006.4	36	N	7	c	1013.7	+3	36	+3	W	5	*	m	4	-	39	33				
	La Hève ...	997.1	36	NNE	3	c	1015.8	*	36	0	SW	1	*	b	2	-	39	34				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1011.8	44	NE	2	b	1017.7	+3	35	-6	E	2	*	b	1	-	50	32				
	Rochefort (Ile d'Aix)	1006.6	43	NE	5	o	1014.9	+5	34	-7	ENE	5	*	b	*	-	50	34				
	Biarritz ...	1004.0	46	N	3	o	1011.8	+3	37	-13	ENE	3	*	o	2	-	50	37				
	Paris ...	1006.6	37	N	4	o	1016.2	+4	27	-7	-	0	-	b	*	-	43	25				
	Belfort ...							*					*		*							
	Lyons ...	1003.8	42	NNW	4	b	1011.1	*	31	-15	NNW	4	*	b	*	-	46	30				
	Nice ...												*									
	Perpignan ..	998.4	55	NW	2	o	1006.0	+6	45	0	WNW	3	-	c	*	-	63	41				
	Sanguinaire ...	995.1	55	W	2	m	998.7	*	52	-3	WNW	4	*	m	3	13	61	46				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1002.0	50	ENE	4	o	1007.5	+3	46	-4	E	3	-	r	3	1	52	46				
	Madrid (8 a.m.)	996.8	55	ENE	1	o	1009.7	+5	46	0	-	0	W	bc	*	1	55	41				
	Lisbon (9 a.m.)	1002.0	57	SSW	3	o	1005.9	0	54	+2	E	1	-	o	6	12	61	52				
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	994.7	*	SSW	3	o	992.2	0	53	-2	NNW	3	*	o	2	-	61	50				
	Madeira (Funchal)	1006.1	63	N	2	o	1007.4	0	61	+2	SSW	3	s	r	3	6	64	59				

GALES.

Duration and Extreme Force in British Islands.

Yarmouth

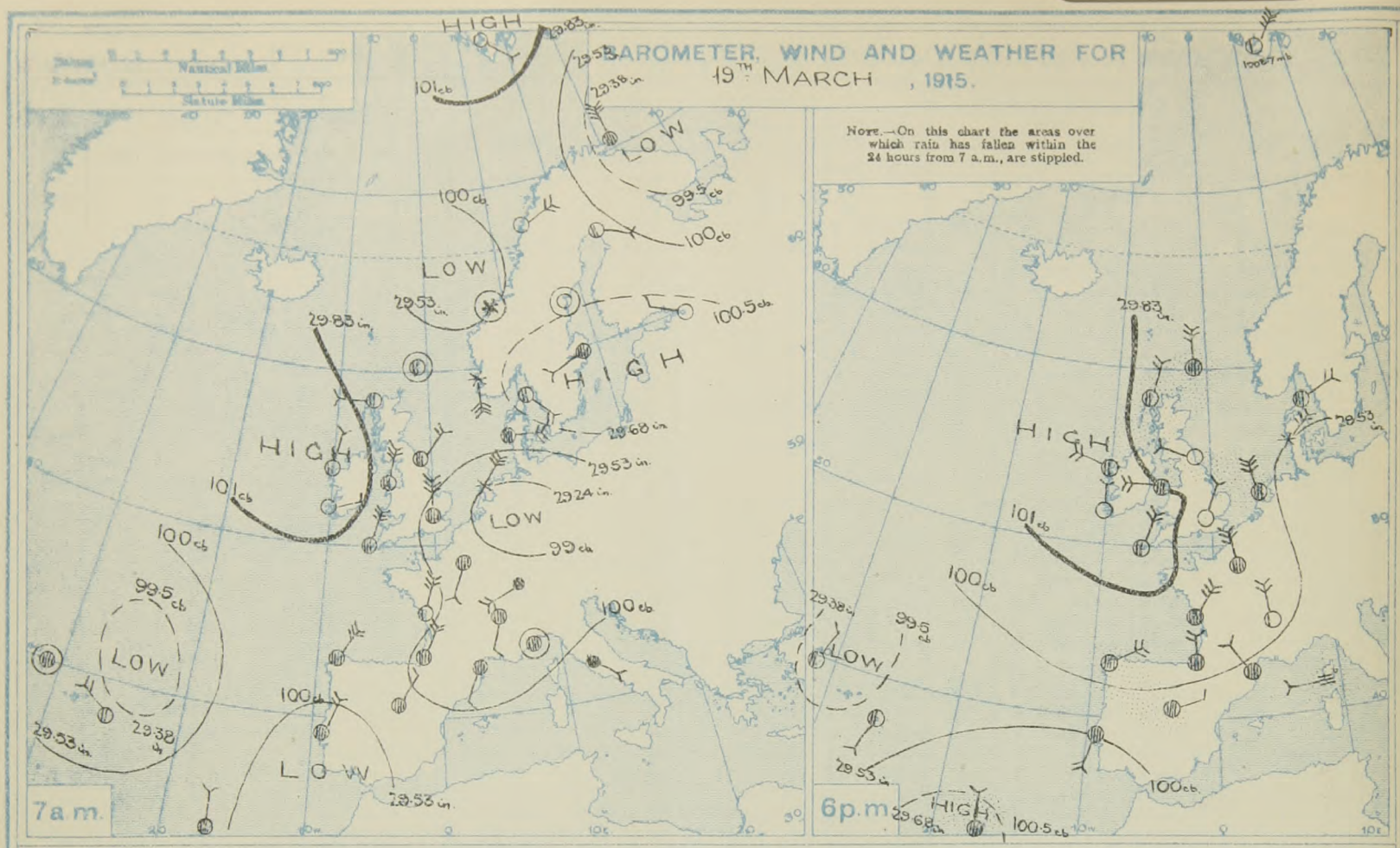
19th, 8 am – 10 am. N. 8

Kew Obsy.

19th morning

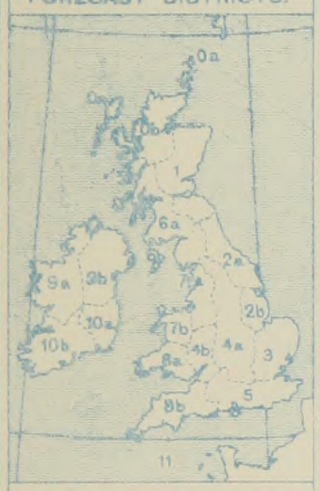
Squalls N. 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 {a, b} Fresh to strong South-Westerly or Westerly winds; changeable and unsettled; moderate temperature.

1, 2 {a, b} Light Westerly breezes, freshening later from West or South-West; fair at first, some sleet or rain later; becoming warmer.

3, 4 {a, b}, 5 Moderate to light Westerly breezes; fair generally; rather warmer.

6 {a, b} Same as No. 0.

7 {a, b} Fresh Westerly breezes; unsettled, showery; moderate temperature.

8 {a, b}, 9 {a, b}, 10 {a, b} Same as Nos. 3 to 5.

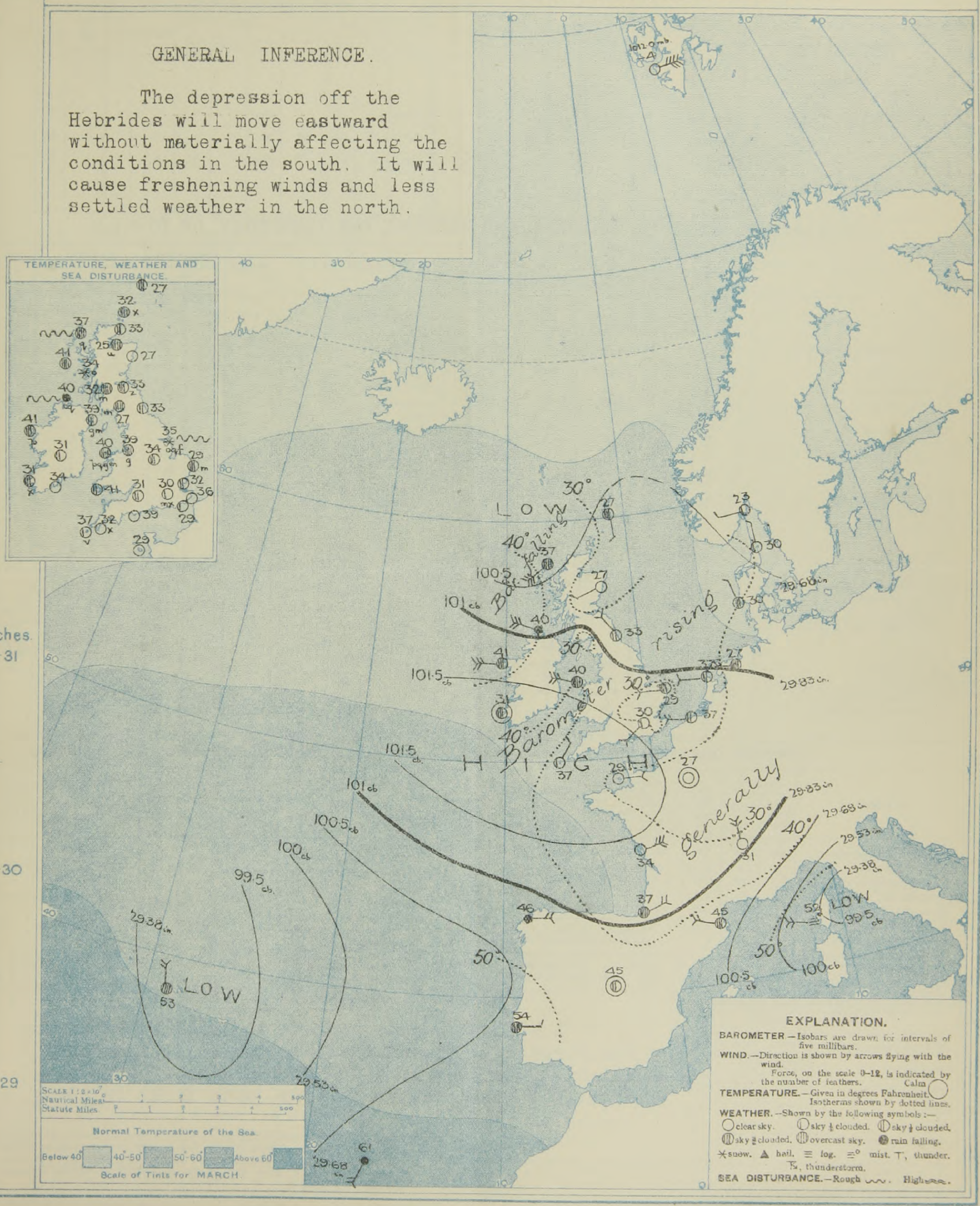
Western Channel and Bay 11 Light variable breezes; sea moderate or slight; fair generally; rather warmer.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m. SATURDAY, 20th MARCH, 1915.



DAILY WEATHER REPORT.

Saturday, 20th March, 1915.

REPORTS FOR YESTERDAY.

19th March, 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. F.	Temp. Change in 24 hours. F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd	1012.6	10	N	1	5	1005.3	+3	0		WNW	1	–	b	*	–	16	-4
Rome	1009.9	54	SE	1	0	1001.3	+5	54	+9	SE	2	–	r	*	3	59	46
Horta	–	–	–	–	–	996.3	0	55	-2	WNW	1	*	0	2	6	61	52

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	43	25			4.1
Scotland.	Banff	5	39	29	s.bs	bs.c	6.0
Scotland.	St. Andrews	–	42	24	*	*	9.2
Eng. N.E.	Harrogate	3	38	27	bc.c	bc.b	7.3
Eng. N.E.	Scarborough	*	41	30			5.6
Eng. N.E.	Skegness	4	39	30	o.bc	b.o.c	7.5
Eng. N.W.	Morecambe						
Eng. N.W.	Blackpool	–	41	31	b	b.bc	10.2
Eng. N.W.	Southport	1	41	30	b	b.bc	9.8
Midlands.	Buxton	16	36	26	bc	bc	8.1
Midlands.	Leamington Spa	2	41	30	bc	bc	6.8
Midlands.	Malvern	1	40	30	b	b	9.7
Midlands.	Ross-on-Wye	–	45	31	c.exq	bc	9.6
Wales.	Rhyl	1	41	32	bc	bc.c	8.8
Wales.	Colwyn Bay	–	42	32	bc	bc	8.3
Wales.	Llandudno	–	44	26	b	b	8.0
Wales.	Aberystwyth	2	41	32	r.oc	c.bc	8.0
Wales.	Tenby	1	45	32	b	b	9.4
Wales.	Swansea	1	43	32	b	b	9.7
England, E.	Cromer	5	42	27	c	bc	4.6
England, E.	Lowestoft	3	36	24	ops.c	c.bc.c	3.5
England, E.	Felixstowe	4	38	26	oqs	bc	5.6
England, E.	Walton-on-Naze	1	37	24	o.co.bc	c.bc	6.1
England, E.	Southend-on-Sea	2	42	29	bc	b	7.6

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	0.3	41	29	o	bc.b	4.4
England, S.E.	Margate	2	38	31	m.o.bc	bc	3.2
England, S.E.	Ramsgate	2	43	28	sq.bc	c	4.4
England, S.E.	Folkestone	1	39	?	bc	bc	5.1
England, S.E.	Hastings	–	39	29	bc.b	bc	5.1
England, S.E.	Bexhill-on-Sea	–	43	30	bc	bc.c	6.1
England, S.E.	Eastbourne	–	43	30	bc	b	6.4
England, S.E.	Seaford	–	41	31	bc	b	6.4
England, S.E.	Brighton						
England, S.E.	Worthing	–	42	31	c	bc	8.2
England, S.E.	Littlehampton	–	41	31	bc	bc	6.1
England, S.E.	Bognor	0.3	41	31	bc	bc	8.2
England, S.E.	Southsea	–	42	32	bc.b	b	9.0
England, S.E.	Bournemouth	–	43	30	bc	bc.c	8.4
England, S.W.	Weymouth	–	44	33	o.b	bm	9.4
England, S.W.	Torquay	–	46	34	b	b.bc	9.7
England, S.W.	Paignton	–	45	43	b	b	9.1
England, S.W.	Falmouth	–	43	36	c.bc.b	b	9.7
England, S.W.	Penzance	–	44	39	b.bc	bc	9.5
England, S.W.	Newquay	–	41	32	b	b	8.7
England, S.W.	Ilfracombe	–	43	35	b	b.bc	9.0
England, S.W.	Weston-super-Mare	–	44	34	b	b	8.3

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	58	68	5.4	39	28	19	–	o.bc	bc	bc.bra
City (Bunhill Row)	*	*	6.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	62	76	5.3	41	28	23	1	bc	bc	bc.b.us
Camden Sq. (Brit. Rainfall)	56	81	6.3	41	27	23	–	o.bc	bc.c	*
Hampstead (Reservoir)	*	87	6.9	39	25	11	–	bc	bcx	bc
Richmond Park	*	*	3.2							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	67	66	5.4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
981 Joules	22.7 Milliwatts.	64 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	–	46	28	26	c.bx	bc	bc	*
Darwen to 9 p.m.	1	39	27	26	oo.c.b	bc	bc.oo	6.5
Manchester ,,				*				
Birmingham ,,	3	38	29	25	*	c	c.b	4.8
Oxford to 9 p.m.	*							
Teignmouth to 9pm.	–	45	34	31	bc	b	b.bc	8.8
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	41	31	27	bc.oqsh	oqso.oq	c.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

20th & 21st March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.53 / 5.56	12.1 / 12.0	6.3 / 6.4
Greenwich	6.3 / 6.3	12.8 / 12.7	6.10 / 6.11
Wick	6.18 / 6.16	12.20 / 12.19	6.21 / 6.22
Valencia	6.46 / 6.44	12.49 / 12.48	6.51 / 6.52

NOTES ON YESTERDAY'S WEATHER.

A Northerly gale blew on the east coast during the forenoon. The weather was generally fine and bright, with over 10 hours of sunshine at several stations. Temperature was low, with frost in most places.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 80.

Sunday, 21st March, 1915.

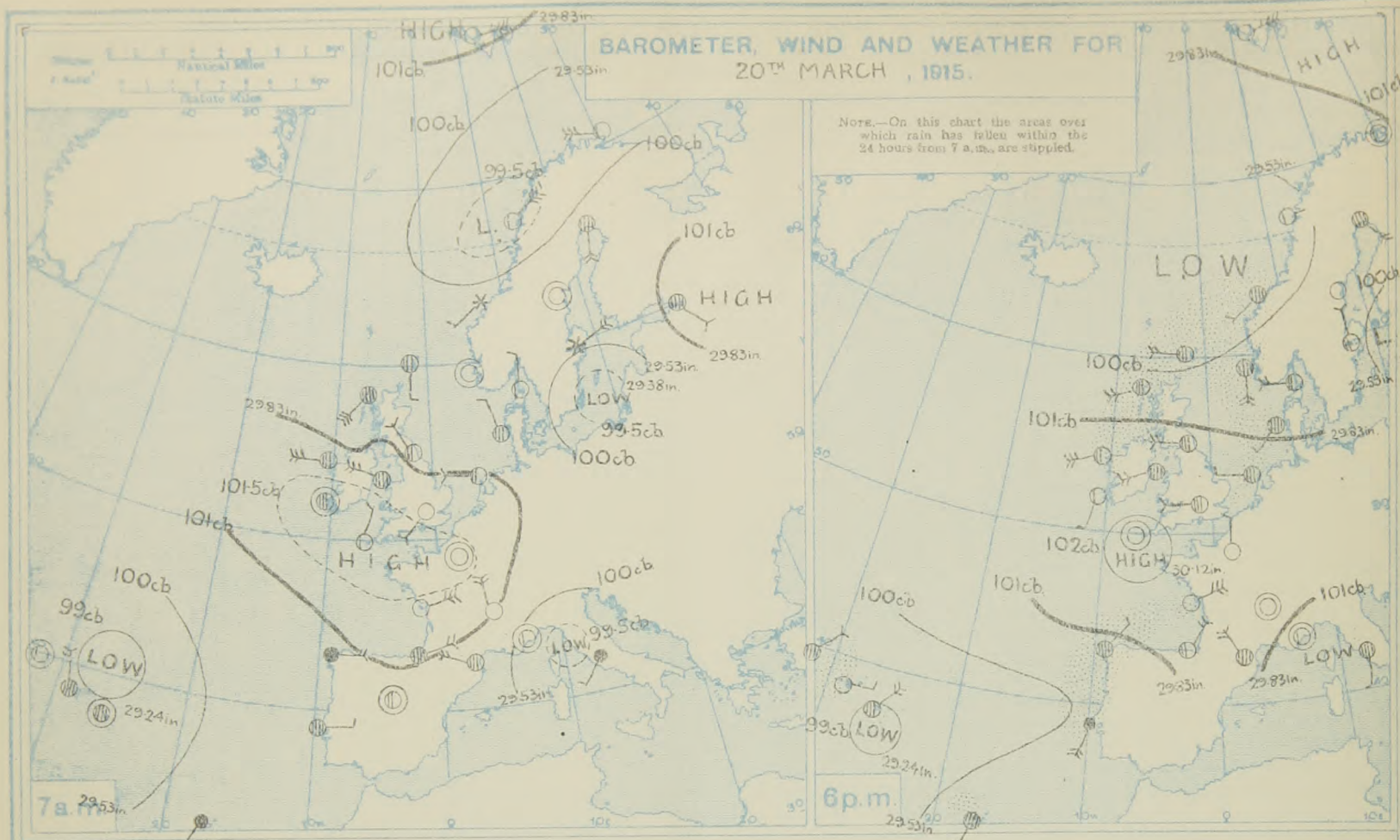
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	999.2	38	W	3	c	1002.3	0	34	+7	S	1	–	bc	1	3	39	26	cm	csp	csp.bc	*
	Deerness ...	1001.7	40	SW	4	cu	1004.4	*	37	+8	SW	3	–	od	2	5	42	27	o.cps.bc	bc.c	c.or.o	2.9
	Stornoway ...	1003.8	43	WSW	4	op	1006.6	+1	40	+3	W	5	–	ogp	5	11	46	35	o.c.o	o.c.op	bc.cgp	0.8
	Castlebay (Barra Isd.)	1007.8	45	W	5	op	1009.6	+1	45	+4	WSW	3	W	c	3	4	46	39	o.bc.op	op	ep.bc	1.7
	Glasgow ...	1010.0	42	WSW	4	op	1013.1	+2	42	+10	WSW	5	W	o	*	4	45	32	or.p.c	op.c.op	bc.ogp	1.5
	Eskdalemuir ...	1011.8	39	W	5	o	1015.5	+2	36	+9	SSW	4	–	o	*	2	41	26	om.or	or.o	o	0.4
	Malin Head ...	1011.7	44	WNW	6	cgp	1015.1	+2	43	+3	SW	4	W	cm	5	2	45	39	cgp	bcgp	cmp	1.7
	Blacksod Point	1016.3	44	WSW	5	bcp	1016.8	0	42	+1	SW	5	W	bc	4	1	47	29	bcp	bcp	bc.bcp	*
	Valencia ...	1018.9	46	SSW	1	b	1019.3	−1	39	+8	SE	1	–	bx	3	–	48	30	c	c.b.	c.b	6.4
	Roche's Point	1019.4	45	SW	3	b	1021.1	*	32	−2	WSW	1	S	b	1	0.1	47	31	b.bc	b	bx	*
	Birr Castle ...	1018.1	44	W	3	c	1020.5	*	31	0	SW	1	–	b	*	–	46	30	c.o	c	bx	3.7
	Donaghadee ...	1013.0	45	W	4	bcmq	1016.8	+1	38	−1	W	5	W	bcmq	4	0.1	50	37	bcmqp	bcmq	bcmq	*
	Liverpool (Bidston)	1016.0	43	W	4	b	1019.3	+1	37	−2	WSW	3	SW	b	3	–	47	37	o	bc	bx	2.3
	Holyhead ...	1016.6	46	WSW	4	c	1019.3	+1	40	0	WSW	3	–	bz	2	Trace	49	39	op.cp.c	c.bc.c.o	b	3.1
	Pembroke (St. Ann's)	1019.6	42	WNW	3	c	1021.8	+1	42	+1	SW	1	SW	bc	1	–	45	41	bc	c	c	10.1
	Scilly (St. Mary's)	1020.2	46	–	0	b	1020.4	−1	43	+6	SE	4	–	bv	3	–	50	37	b	b.	b	10.6
	Falmouth ...	1020.3	43	WNW	2	b	1021.8	0	34	+2	NW	1	SW	bx	2	–	50	32	bx.bc.b	b.bc.b	b.bx	7.8
	Jersey (St. Aubin)	1019.9	46	W	3	b	1023.0	*	32	+3	W	3	–	b	1	–	48	28	b	b.	bx.	11.0
	Portland Bill ...	1018.4	45	WSW	4	b.	1022.3	+1	39	0	–	0	–	bx	1	–	47	37	b	b	b.	*
	Dungeness ...	1017.7	43	WSW	4	c	1022.0	+2	38	+9	WSW	1	N	bc	2	–	48	28	bc	bc.c	bc.bcx	*
	Dover	1018.0	43	SW	3	o	1023.2	+3	43	+7	NW	1	–	bz	3	–	45	33	b.bc.o	c.bc.o	o.c.bx	5.3
	Wick	1003.2	41	SW	2	bc	1005.5	0	35	+2	WSW	2	–	o	2	5	44	32	bc.oms	cm.bc	bc.omp	*
	Nairn	1005.1	39	WNW	1	og	1007.0	*	42	+7	W	2	–	cu	2	1	42	23	cz.d.	bcp.c	op.c	0.2
	Aberdeen ...	1006.2	41	SW	1	oz	1008.8	+1	38	+11	–	0	NW	c	2	–	42	26	b.bc.o	oz	oz.c	1.2
	Leith	1008.6	44	WSW	2	o	1011.8	+1	43	+10	WSW	4	NW	c	*	1	46	33	c.op	ogp.c	o.c	*
	Tynemouth ...	1010.6	43	W	3	cm	1014.2	+3	41	+8	W	3	–	c	3	–	45	33	bc	cm	c	*
	Spurn Head ...	1013.9	35	NW	6	o	1017.7	+1	40	+5	WNW	5	–	bcq	4	–	46	32	bc	oq	cq	4.7
	Yarmouth ...	1015.2	43	W	2	om	1021.5	+5	35	+6	W	2	W	bcm	1	–	47	28	cm.om	om	om.bcm	0.0
	Clacton-on-Sea	1015.5	42	W	2	bc	1020.7	+3	35	+3	W	1	NW	bcx	1	–	46	31	bc.c.bc	bc	o.c.bcx	5.0
	Nottingham ...	1014.8	45	WNW	3	bc	1020.3	*	33	−1	WSW	2	SW	b	*	Trace	46	31	c.og	c.op.bc	bc.b	2.4
	Bath	1018.7	43	W	1	b	1022.3	*	28	−3	W	1	–	b	*	–	50	27	c.bc.b	bc.b	bm.	8.9
	London (Kew Obsy.)	1017.5	45	WNW	2	c	1022.8	+2	32	+2	SW	1	NW	cmx	*	–	47	29	bc.osp.bc	o.c.	c.bc.bcmq	2.8
ICELAND, FAEROE, &c.	Spitsbergen ...	1013.5	−6	E	7	b	1011.7	−2	−6	−2	E	6	*	b.	*	*	−4	−11				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1009.3	16	–	0	b	1000.2	−2	16	−2	W	3	–	c	3	*	18	14				
	Bodö	997.6	25	E	3	b	999.4	−4	21	0	E	6	–	b	2	–	30	18				
	Christiansund	997.9	28	SW	1	o	991.1	+13	30	+5	WNW	8	–	s	6	5	30	25				
	Skudesnaes ..	1005.5	34	S	4	o	1003.0	+3	36	+9	NNW	6	–	o	4	2	36	27				
	Færder (X'iania Fjord)	1006.3	30	S	1	b	996.7	−7	36	+13	SW	6	–	m	3	–	36	23				
	The Scaw (Skagen)	1006.6	34	W	3	bc	1002.6	−5	34	+4	SW	3	–	o	3	–	39	30				
	Blaavands Huk	1009.7	36	SW	1	o	1009.5	+1	39	+9	W	3	–	o	3	Trace	39	28				
	Haparanda ...	1005.1	10	SSE	4	o	999.3	−2	−2	−14	N	2	–	o	*	–	16	−4				
	Hernösand ...	1003.7	21	–	0	b	993.6	−8	10	+1	N	2	–	c	*	–	27	5				
	Stockholm ...	1001.5	21	N	2	bc	1001.3	−5	21	+2	S	2	–	o	*	1	21	12				
	Wisby	1002.7	25	N	8	b	1006.0	0	30	+11	WSW	6	W	b	*	1	30	19				
	Karlstad	1004.3	28	WNW	2	b	997.5	−8	32	+23	NW	8	–	o	*	–	36	7				
	Petrograd (5 a.m. G.M.T.)	995.9	14	E	3	s	991.8	+4	14	+13	WNW	2	–	s	*	6	18	0				
FRANCE, &c.	The Helder ...	1014.7	37	W	1	c	1018.1	+2	43	+6	WSW	3	SW	b	3	2	43	34				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1018.3	43	WSW	5	o	1022.0	+3	41	+5	SW	2	*	b	2	?	45	36				
	La Hève	1019.7	41	NW	3	b	1023.3	*	37	+1	–	0	*	b	1	–	48	36				
	Ushant	1019.9	43	NE	3	b	1020.2	*	41		SE	3	*	b	2	–	52	34				
	Brest (St. Mathieu)	1020.3	39	NE	2	b	1021.0	0	41	+6	SE	3	*	b	?	–	7	?				
	Rochefort (Ile d'Aix)	1018.3	43	ENE	5	b	1013.9	0	35	+1	E	6	*	b	*	1	50	34				
	Biarritz	1015.3	45	NNE	3	bc	1015.0	0	38	+1	E	3	*	c	1	–	48	36				
	Paris	1019.4	39	–	0	b	1024.7	+3	27	0	–	0	–	b	*	–	50	25				
	Belfort							*					*		*							
	Lyons	1017.0	38	N	1	b	1023.4	*	30	−1	NNW	1	*	b	*	–	44	27				
	Nice	1006.3	50	–	0	b	1017.7	+8	48		E	3	*	bc	5	–	59	43				
	Perpignan ..	1013.1	48	NW	3	o	1019.1	+3	36	−9	–	0	–	b	*	–	57	34				
	Sanguinaire ...							*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1008.7	50	NE	1	o	1007.0	−1	55	+9	S	5	–	o	3	15	55	46				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)	1000.3	59	SSW	4	r	1005.7	0	59	+5	SSW	5	–	o	5	8	61	54				
	Gibraltar							*					*									
	Rome	1008.4	52	S	1	o	1015.7	0	50	−5	NE	1	–	o	*	6	57	48				
	Azores (Horta, 8 a.m.)	992.6	*	E	1	b.	995.9	+2	56	+3	WNW	2	*	c	2	1	64	53				
	Madeira (Funchal)	1005.9	66	SSW	3	o	1006.6	?	63	+2	?	?	W	o	?	3	66	59				

GALES.

Duration and Extreme Force in British Islands.

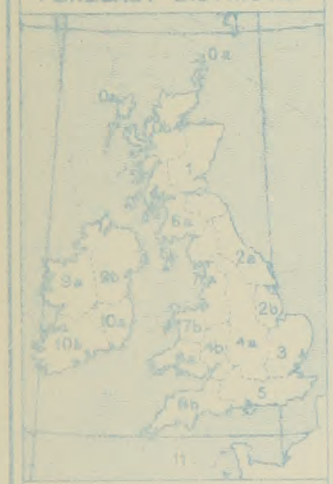
Glasgow.
21st Between Midt & 7 a.m.
Squalls SW 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay

0 {a, b}, 1 — Westerly and South-Westerly winds, light to fresh; cloudy generally, some showers; temperature rising somewhat.

2 {a, b} — Wind mainly Westerly, light or moderate; fine; rather milder.

3, 4 {a, b}, 5 — Wind light Westerly to variable; fine, some mist locally; no great change of temperature.

6 {a, b} — Same as Nos. 0 and 1.

7 {a, b} — Westerly and South-Westerly winds, light or moderate; fair; milder.

8 {a, b} — Wind mainly Southerly and South-Easterly, light to fresh; fair generally; rather milder.

9 {a, b} — Same as No. 7.

10 {a, b} — Wind between South and East, light or moderate; fine; temperature rising.

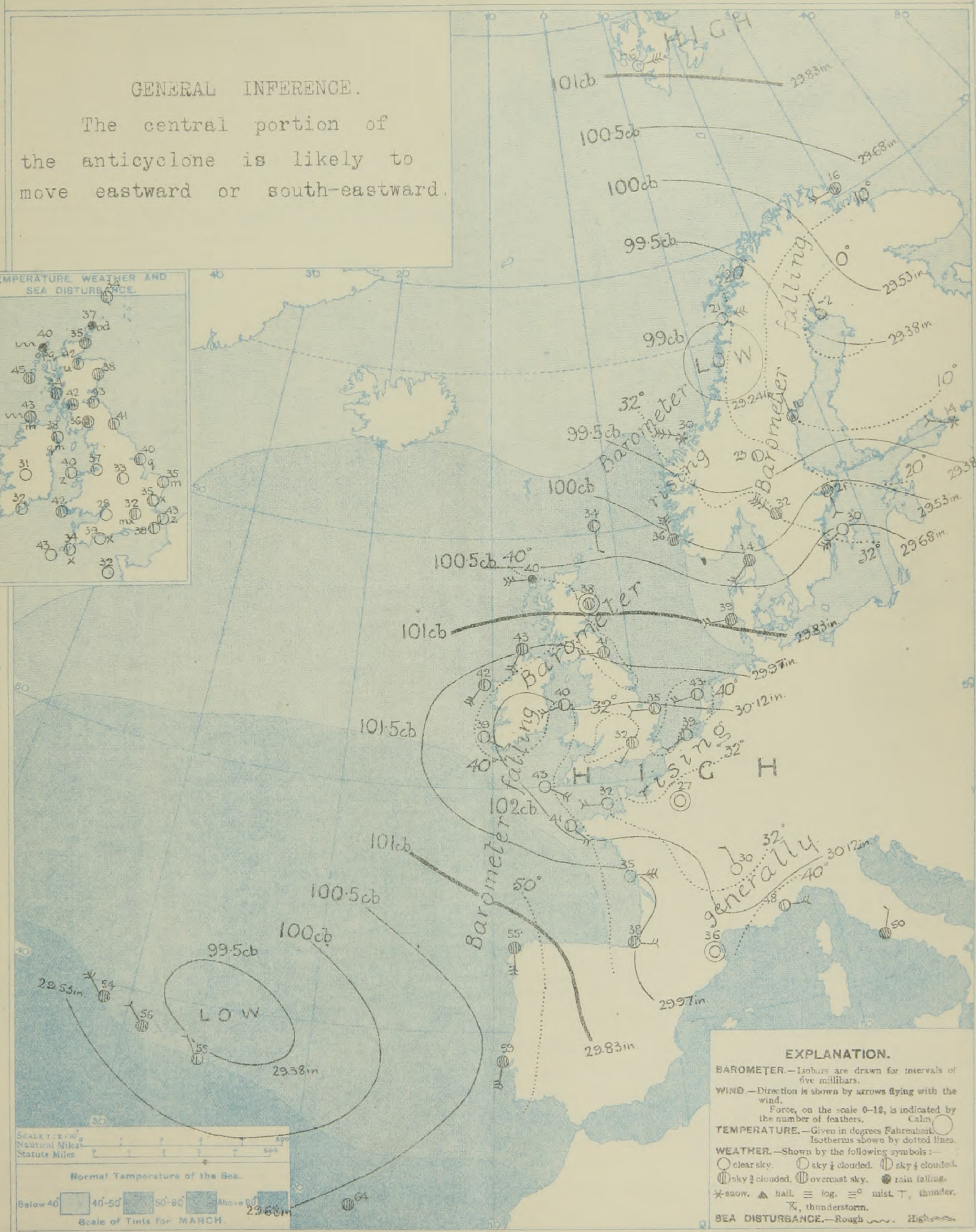
11 — South-Easterly and Easterly winds, light to fresh; sea slight to moderate; fair generally.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 21ST MARCH, 1915.



DAILY WEATHER REPORT. Sunday, 21st March, 1915.

REPORTS FOR YESTERDAY.

20th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb °F.	Change in 24 hours °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Vardö	994.7	21	NW	5	o	999.3	+3	18	−3	WNW	5	-	b	4	-	21	16
Bodö	996.3	18	ENE	4	b	992.8	−3	21	+5	ENE	6	-	b	2	-	23	14
Christiansund	998.6	28	SW	5	c	1001.7	+2	25	−5	SW	3	-	s	4	12.	30	25
Skudesnaes	1002.6	34	SW	4	o	1004.7	+1	27	−5	—	0	-	b	2	?	34	21
Petrograd	1012.6	5	—	0	b	1013.1	+2	1	+1	SE	2	-	o	*	-	16	−2
Rome	997.2	55	N	1	r	995.9	+4	55	+1	SW	1	-	r	*	18	59	54

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	2	46	32	r	o	1.2
	Banff						
	St. Andrews					*	
Eng. N.E.	Harrogate	–	44	30	b.bc.c	c.bc	4.7
	Scarborough	*					
	Skegness	1	47	28	o.bc	o	5.0
Eng. N.W.	Morecambe						
	Blackpool	–	47	38	bcp.c	c	2.4
	Southport	3	47	36	c	c	4.1
Midlands.	Buxton	2	39	30	bc	bc	0.6
	Leamington Spa	–	49	28	bc.c	bc.c	3.5
	Malvern	–	49	32	bc	bc	4.6
	Ross-on-Wye	–	53	25	c.b.bc.o	c.bc.b	7.0
Wales.	Rhyl	2	47	34	bc	b	4.9
	Colwyn Bay						
	Llandudno						
	Aberystwyth	–	45	34	o.c	c.b.o	4.5
	Tenby	–	48	25	b	b	10.5
	Swansea	–	49	30	b	b	9.3
England. E.	Cromer	–	44	30	c.o.c.bc	bc	5.0
	Lowestoft						
	Felixstowe	0.3	47	29	bc	bc	5.2
	Walton-on-Naze	–	47	29	bcp	bcp.c	6.5
	Southend-on-Sea	–	50	28	bc	bc.c	3.3

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	46	25	om.bc	bc.om	4.2
	Margate	–	47	31	bc	bc	4.4
	Ramsgate	–	46	27	bc.ot.c	o.bc	5.4
	Folkestone	–	47	30	bc	o.bc	1.2
	Hastings	–	46	28	b.bc	bc.c	4.6
	Bexhill-on-Sea	–	46	27	x.bc	c.b	5.2
	Eastbourne	–	47	28	b.bc	bc	6.4
	Seaford	–	45	27	bc	c	5.4
	Brighton	–	47	28	bc	c	3.6
	Worthing	–	48	25	bc	bc	5.5
	Littlehampton	–	49	*	c.bc.b	bc	5.3
	Bognor	–	50	22	bc.o	b	5.1
	Southsea						
	Bournemouth	–	52	24	b	b	10.7
England, S.W.	Weymouth	–	53	26	b	bz	11.0
	Torquay	–	51	29	b	b.bc.b	10.5
	Paignton	–	53	27	b	b	10.2
	Falmouth	–	50	29	bc.bc.b	b.bc.b	7.8
	Penzance	–	51	30	b	b	9.2
	Newquay	–	47	26	bv	bv	10.0
	Ilfracombe	–	47	32	b	b	10.4
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature (24 hours ended 9 A.M. To-Day.) In Screen Max.	In Screen Min.	Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	62	72	6.2	46	33	23	–	bc.bc	bc	bc.b
City (Bunhill Row)	*	*	1.9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			2.3							
Camden Sq. (Brit. Rainfall)	65	80	2.0	47	29	25	–	bc.cfbc	o	*
Hampstead (Reservoir)	*	76	2.7	45	29	16	–	bcv	bcx	bm
Richmond Park	*	*	1.9							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	62	78	2.0	44	Joules	14.8 Milliwatts.		5.5 Milliwatts.		

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
644 Joules	14.8 Milliwatts.	5.5 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall.	Temperature. In Screen Max.	In Screen Min.	Night Min. on Grass.	Weather. Night.	Forenoon.	Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	–	48	36	33	bc	bc	bc	*
Darwen to 9 p.m.	c	42	33	29	ost	op.b	b.rw	1.1
Manchester ,,	3	47	34	*	bc	o.cr	c.bc	1.5
Birmingham ,,	–	48	31	27	*	c	c	48
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	–	53	29	26	b	b	b	10.7
Plymouth ,,	–	52	28	–	b	bc	c.bv	7.6
S. Kensington (Museum Grounds to 6 p.m.)	–	47	29	20	b.bc	osp.o	o.c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

21st & 22nd Mar, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.56 / 5.54	12.0 / 12.0	6.4 / 6.6
Greenwich	6.3 / 6.1	12.7 / 12.7	6.11 / 6.13
Wick	6.16 / 6.13	12.19 / 12.19	6.23 / 6.25
Valencia	6.44 / 6.42	12.48 / 12.48	6.52 / 6.54

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 50° in a few English and Irish districts, but frost was experienced at night over a large portion of the Kingdom. Bright sunshine was very prevalent in the South-West; in the east and north the records were slight or moderate.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 81.

Monday, 22nd March 1915.

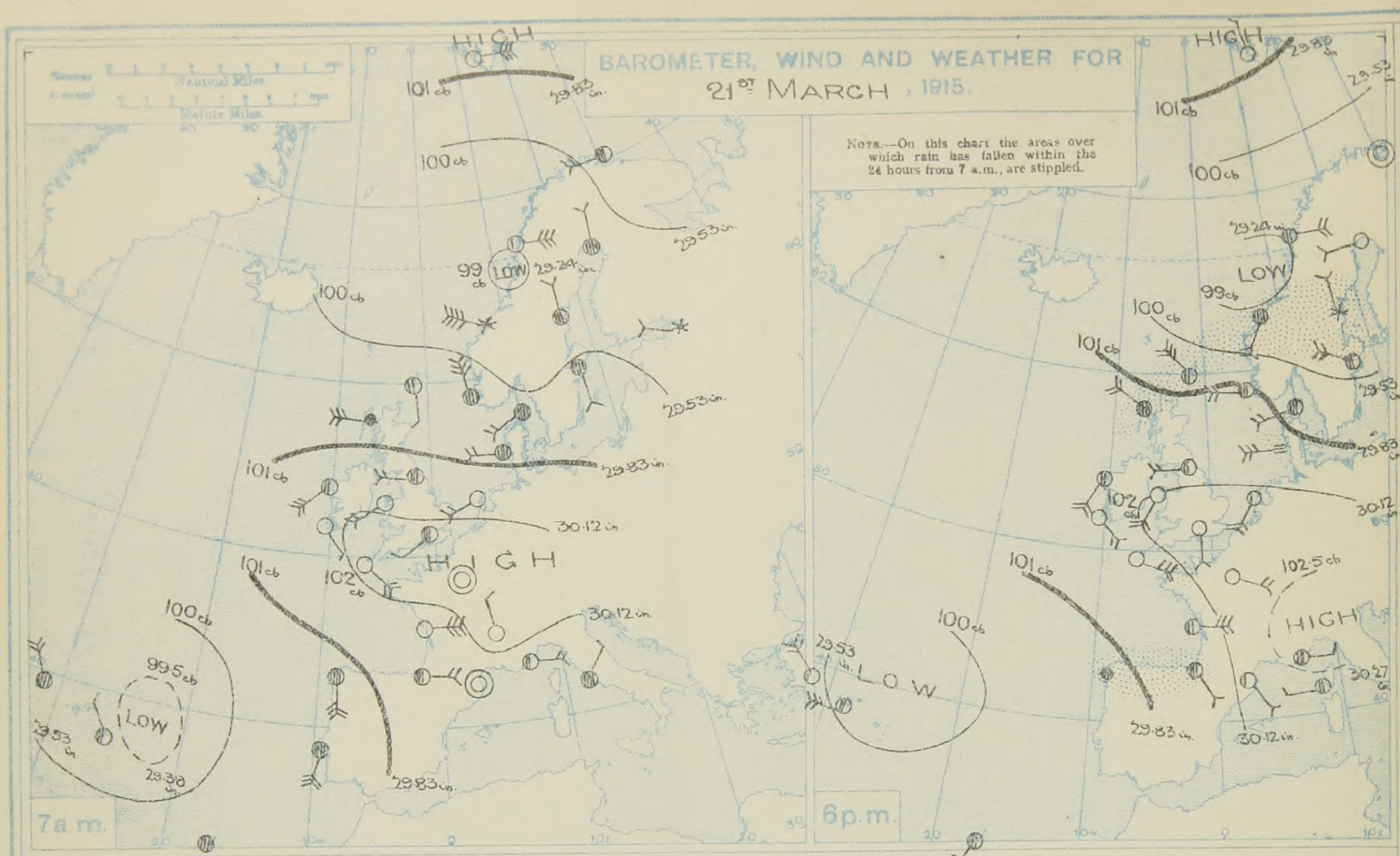
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1002·9	36	NW	5	bcq	1015·4	+3	33	-1	NNW	4	NW	bc	4	2	41	28	bcm	bcmq	bcsp	*
	Deerness ...	1008·4	37	WNW	6	c	1017·9	*	32	-5	N	3	SW	bc	2	3	44	33	op.ot.o	o.c	c.bcx	2·4
	Stornoway ...	1012·6	44	NW	4	o*	1017·6	0	32	-8	NW	2	-	c	2	6	45	32	or	or.o	o.bc.c	0·0
	Castlebay (Barra Isd.)	1014·0	43	WNW	4	cp	1015·5	0	42	-3	NE	2	-	o	2	2	48	40	o.c.o	o.c.op.c	c.op.c.o	2·1
	Glasgow ...	1015·7	44	WSW	4	b	1018·6	0	35	-7	E	1	W	o	*	1	48	35	op.bcq	bc	b.bc.cx	4·6
	Eskdalemuir ...	1017·5	42	SW	3	c	1020·1	+1	32	-4	NW	1	-	om	*	-	47	30	o.c	c.bc.c	c.bc.om	4·5
	Malin Head ...	1017·0	46	W	4	bc	1016·3	-1	37	-6	SE	1	NE	bcm	2	-	49	35	bcq	bc	bcm	8·3
	Blacksod Point	1016·9	45	SSW	4	bcz	1014·4	-3	36	-6	ESE	3	SE	bc	3	-	47	34	bcz	bcz	bcm.bc	*
	Valencia ...	1015·6	46	SE	3	b	1008·8	-3	44	+5	E	3	-	o	3	-	51	38	bc	bcz	bcq	9·0
	Roche's Point	1017·8	46	SE	4	bc	1011·7	*	44	+12	E	4	-	o	4	Trace	48	31	b.bc	bc	bc.o	*
	Birr Castle ...	1018·5	45	S	1	b	1013·8	*	35	+4	S	1	-	b	*	-	51	30	bc	b	bc	10·8
	Donaghadee ...	1017·6	48	W	3	bc	1016·5	-1	40	+2	SE	3	-	bcm	2	-	51	34		bc	bcmw	*
	Liverpool (Bidston)	1020·4	44	W	1	b	1018·1	-2	34	-3	SE	2	-	b	2	-	48	33	b	b	bc	9·3
	Holyhead ...	1020·2	44	SW	4	bo	1016·1	-1	37	-3	E	3	-	bz	2	-	48	34	b.bc.b	b.bc.b	bc	10·0
	Pembroke (St. Ann's)	1020·5	44	SE	1	b	1013·2	-4	40	-2	E	5	E	cq	4	-	47	39	bc	bc	b	10·2
	Scilly (St. Mary's)	1016·5	45	ESE	5	b	1008·7	-2	46	+3	ESE	6	SE	o	6	-	49	44	b	b	b.bc.c	10·7
	Falmouth ...	1018·6	45	E	3	b	1010·6	-2	45	+11	E	3	-	o	4	-	50	34	bc.b	b	b.o	10·9
	Jersey (St. Aubin)	1019·5	50	E	3	b	1013·4	*	42	+10	E	4	-	op	3	1	52	31	b	b	b.op	11·0
	Portland Bill ...	1021·6	44	ENE	3	b	1013·9	-3	42	+3	E	5	-	bc	4	-	45	39	b	b	b.bc	*
	Dungeness ...	1023·1	46	-	0	b	1019·2	-3	42	+4	ESE	3	-	bc	3	-	49	37	bc	bc	bc.bc	*
	Dover ...	1023·7	42	SW	1	b	1020·1	-1	41	-2	SE	3	E	o	3	0·1	48	33	bz	b	b.bc	10·9
	Wick ...	1010·8	39	W	4	o	1018·4	+4	32	-3	WNW	2	NW	o	2	2	45	31	omp	omp	c.om	*
	Nairn ...	1011·6	42	W	2	o	1018·4	*	36	-6	-	0	-	ogm	1	1	51	35	p.bcq	cq.p	cq	3·1
	Aberdeen ...	1011·6	47	W	4	c	1019·3	+2	38	0	-	0	-	o	2	-	52	37	c.bc	bc	bc.o	3·9
	Leith ...	1014·0	48	W	4	bc	1018·3	+1	37	-6	W	2	-	cz	*	-	50	35	c	c.bc	c.o	*
	Tynemouth ...	1017·0	46	W	3	bc	1019·1	+1	35	-6	W	2	W	bcm	2	-	50	34	c	bc	bcm	*
	Spurn Head ...	1020·3	48	WNW	3	bc	1020·9	-2	40	0	SE	2	-	bc	4	-	49	34	bcq	bc	bc	8·9
	Yarmouth ...	1021·9	49	W	2	bc	1021·6	+1	41	+6	SSE	1	SE	bc	1	-	53	34	bcm	bc	bc	1·4
	Clacton-on-Sea	1021·0	44	SSE	2	bc	1019·4	-2	43	+8	ESE	3	SE	bc	2	-	51	35	bc	bc	b.bcx	10·1
	Nottingham ...	1020·6	47	SW	1	b	1019·8	*	26	-7	ESE	1	-	bmz	*	-	54	24	bm	bm	bm	9·7
	Bath ...	1021·0	48	S	1	b	1016·8	*	34	+6	E	3	W	o	*	-	54	28	m.b	b	bm.o	9·4
	London (Kew Obsy.)	1022·2	48	S	2	b	1018·9	-2	36	+4	E	3	NW	cmz	*	-	53	32	cmz.bcm.b	bc.b	b.bc.cmz	9·8
Iceland, Faeroe, &c.	Spitsbergen ...	1010·1	-11	N	1	b	1009·5	-6	-17	-11	S	2	*	b	*	*	-6	-18				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...	993·5	18	-	0	b	955·9	-2	25	+9	N	5	-	c	4	*	18	10				
	Bodö ...	990·0	21	E	4	c	993·2	+4	16	-5	E	2	-	b	2	-	27	12				
	Christiansund	991·8	32	SW	3	o	1000·6	+6	34	+4	NNW	4	-	o	5	3	34	27				
	Skudesnaes ..	1013·0	39	W	4	c	1012·3	+3	34	-2	NW	7	N	c	4	?	39	32				
	Færder (X'ania Fjord)	1001·0	36	SW	6	b	1003·9	+4	36	0	W	8	-	b	3	-	39	34				
	The Scaw (Skagen)	1005·9	36	WSW	3	c	1009·5	0	36	+2	W	7	-	b	6	-	43	34				
	Blaavands Huk	1014·1	39	W	5	m	1017·2	+2	39	0	WNW	4	-	c	4	Trace	41	37				
	Haparanda ...	996·0	7	W	2	b	996·4	0	-9	-7	-	0	-	o	*	-	14	-17				
	Hernösand ...	995·3	21	N	2	s	993·3	+2	21	+11	-	0	-	s	*	1	28	10				
	Stockholm ...	998·9	34	WNW	4	bc	993·3	-2	32	+11	W	6	-	b	*	1	37	21				
	Wisby ...	1002·4	36	WSW	6	b	999·8	-2	37	+7	WSW	8	-	c	*	-	39	30				
	Karlstad ...	1001·9	37	W	6	o	999·4	+4	32	0	WSW	8	-	b	*	Trace	41	28				
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1021·9	41	SW	4	b	1022·7	0	37	-6	S	2	-	b	2	-	46	36				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1022·6	43	SW	2	b	1019·3	-2	36	-5	ENE	3	*	b	1	-	50	36				
	La Hève ...	1019·7	45	E	3	b	1015·9	*	36	-1	ESE	3	*	bc	2	-	48	34				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1016·2	50	ESE	3	b	1008·6	-3	46	+5	ESE	4	*	o	4	-	54	41				
	Rochefort (Ile d'Aix)												*		*							
	Biarritz ...	1013·2	61	SE	2	c	1011·7	0	62	+24	SE	2	*	c	1	1	64	38				
	Paris ...	1023·2	46	ESE	2	b	1019·1	-1	36	+9	ESE	1	W	b	*	-	55	27				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	1025·2	43	E	1	c	1028·2	0	45	-3	-	0	*	o	3	-	54	39				
	Perpignan ..	1021·3	46	SE	2	b	1021·0	0	52	+16	SE	2	S	o	*	-	54	36				
	Sanguinaire ...	1019·9	50	W	1	bc	1023·1	*	50		E	2	*	m	4	-	61	43				
Southern Europe.	Corunna (7 a.m.)	1005·6	59	N	6	r	1006·9	+3	55	0	NW	?	-	o	3	1	63	55				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	999·7	*	W	5	bc	1004·0	-1	57	+1	SSW	3	*	o	3	4	63	54				
	Madeira (Funchal)	1009·7	64	SSW	7	c	1016·4	+4	59	-4	SSW	2	N	r	2	4	66	59				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings issued.

0 a, b	Light North-Westerly and Northerly breezes, becoming South-Easterly later; fine to fair and cloudy, misty in places, some cold precipitation later; cold.
1, 2 a, b	Calms and light variable airs, becoming South-Easterly and freshening somewhat later; fine to fair and cloudy, misty in places, some cold precipitation later; cold.
3, 4 a, b, 5	Freshening Easterly breezes; fine to fair and cloudy, misty in places, some cold precipitation later; temperature mostly below the normal.
6 a, b	Same as No. 1.
7 a, b, 8 a, b, 9 a, b, 10 a, b	Same as Nos. 2 to 5.
Western Channel and Bay 11	Moderate to strong South-Easterly to Easterly winds, becoming Westerly and North-Westerly later; sea moderate to rough; fine to dull, some cold precipitation.

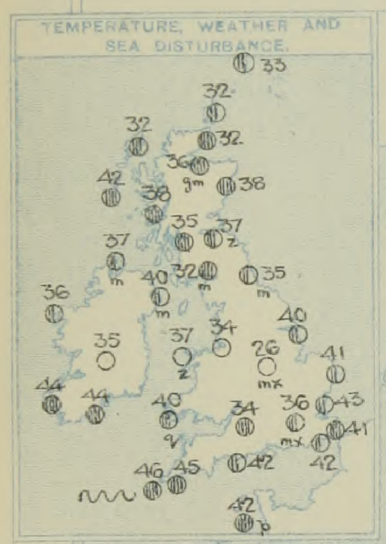
FURTHER OUTLOOK.

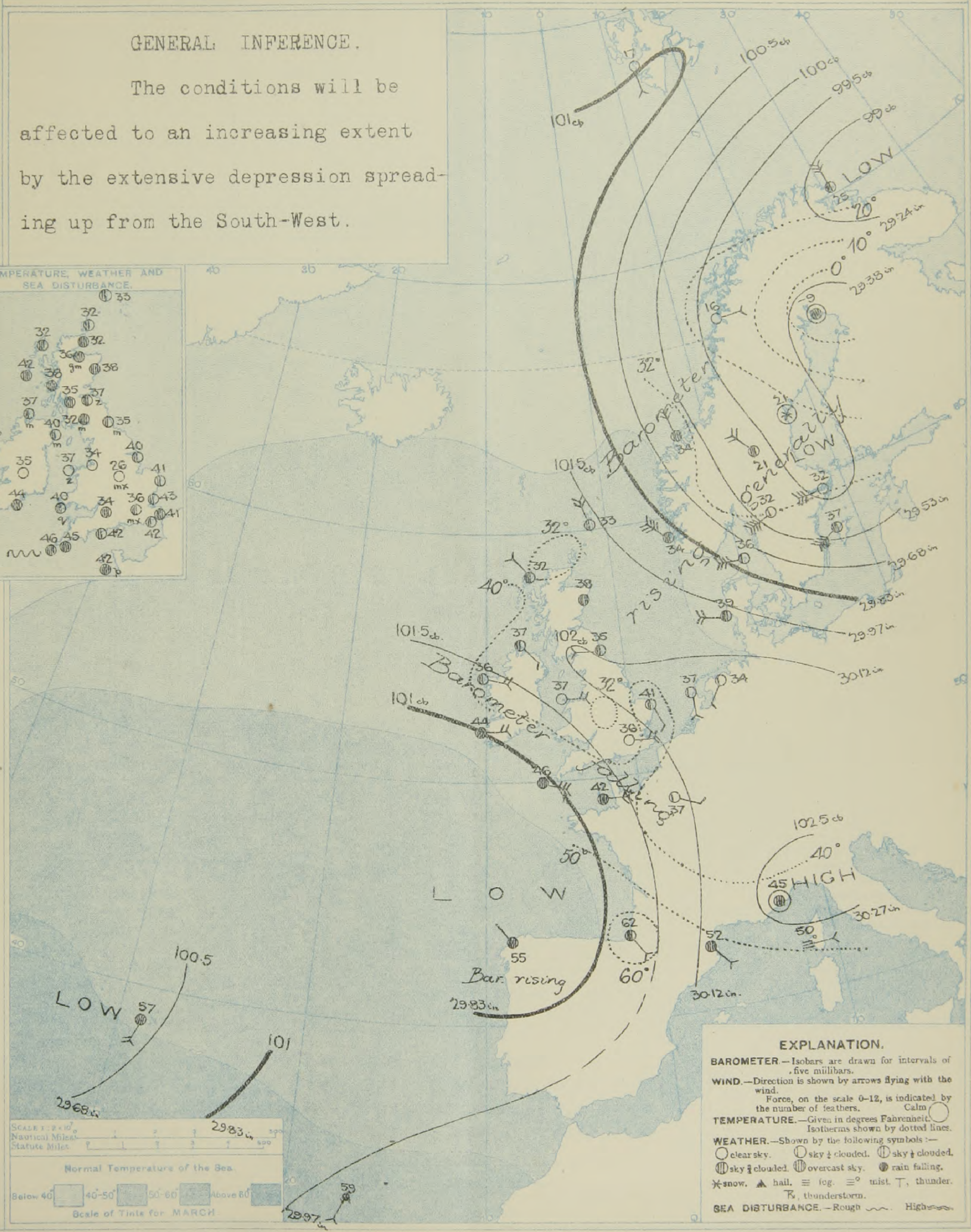
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 22nd MARCH, 1915.

GENERAL INFERENCE.

The conditions will be affected to an increasing extent by the extensive depression spreading up from the South-West.





PILOT BALLOON ASCENTS for the PAST WEEK.
Component Velocities to East and to North in Metres per Second.

Station Date & Hour.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
	S. Farnborough		Falmouth		S. Farnborough		S. Farnborough													
	17th	9h-10m	18th	15h.	19th	8h-50m.	20th	9h.												
Heights in Kilometres. 1	+2	+1	-5	-19	-3	-26	+11	-3												
0·5	+3	0	-3	-12	-1	-24	+10	-4												
0	+3	0	–	–	+1	-15	+4	-1												

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	10	47	42	cp	c	2·4
	Banff	1	50	39	bcp.c	p.od	2·0
	St. Andrews				*	*	
Eng. N.E.	Harrogate	–	49	38	o.c.bc.b	b	7·6
	Scarborough	*	53	39	bc	bc	6·2
	Skegness	–	52	33	bc.b	b	9·8
Eng. N.W.	Morecambe						
	Blackpool	–	48	44	b	b	9·4
	Southport	–	50	40	b	b	10·5
Midlands	Buxton	1	49	33	bc	bc	9·3
	Leamington Spa	–	54	29	b	b	9·7
	Malvern	–	52	33	b	b	10·9
	Ross-on-Wye	–	54	26	b	b	10·7
Wales	Rhyl	–	49	34	b	b	10·4
	Colwyn Bay	–	51	37	bc	b	11·0
	Llandudno	–	50	32	b	b	10·4
	Aberystwyth	–	46	39	bc.b	bc.c	10·5
	Tenby						
	Swansea	–	51	31	b	b	8·3
England, E.	Cromer	0·3	54	36	b	b	10·0
	Lowestoft	–	53	33	bc.b	bc	10·4
	Felixstowe	–	52	34	bc	bc	8·4
	Walton-on-Naze	–	50	33	b	b.bc.b	8·5
	Southend-on-Sea	–	56	32	b	b	9·2

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	53	28	b	b.bz	10·6
	Margate	–	54	35	b	b	10·1
	Ramsgate	–	53	32	b	b	10·7
	Folkestone	–	49	37	bc.o	b	10·2
	Hastings	–	48	35	b	b	11·1
	Bexhill-on-Sea	–	49	37	b	b	10·8
	Eastbourne	–	49	31	b	b	10·5
	Seaford						
	Brighton	–	49	30	b	b	10·0
	Worthing	–	50	27	b	b	11·1
	Littlehampton	–	47	*	b	b	8·9
	Bognor	–	49	30	b	b	10·6
	Southsea	–	50	31	b	b	11·0
	Bournemouth	–	50	27	b	b	11·0
England, S.W.	Weymouth	–	51	29	bz	bz	10·5
	Torquay	–	49	31	b	b	10·5
	Paignton						
	Falmouth	–	50	32	bx.b	b	10·9
	Penzance						
	Newquay	–	45	29	b.bc	bcv	10·5
	Ilfracombe	–	49	37	b	bz	10·5
	Weston-super-Mare	–	54	33	b	b	10·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	51	67	10·6	55	31	19	–	b	b	b.bx
City (Bunhill Row)	*	*	6·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			9·4							
Camden Sq. (Brit. Rainfall)	–	77	7·9	54	29	24	–	–	–	*
Hampstead (Reservoir)	*	79	9·6	53	33	18	–	c	bcx	bcx.bm
Richmond Park	*	*	9·4							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	–	69	9·3							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1237 Joules	28·3 Milliwatts.	54 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.		51	36	33	bc	b	b	*
Darwen to 9 p.m.								
Manchester "				*				
Birmingham "	–	53	32	29	b	b	b	10·2
Oxford to 9 p.m.	*	54	31	24	b	b	b	*
Teignmouth to 9pm.								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	–	55	32	21	bx.b	b	b	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

22nd & 23rd March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·54 / 5·52	12·0 / 12·0	6·6 / 6·8
Greenwich	6·1 / 5·59	12·7 / 12·7	6·13 / 6·15
Wick	6·13 / 6·10	12·19 / 12·19	6·26 / 6·29
Valencia	6·42 / 6·40	12·48 / 12·48	6·54 / 6·56

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 50° in many places. Rain or snow showers fell in Scotland. The day generally was brilliant, numerous stations reporting from ten to eleven hours of sunshine.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 82.

Tuesday, 23rd March, 1915.

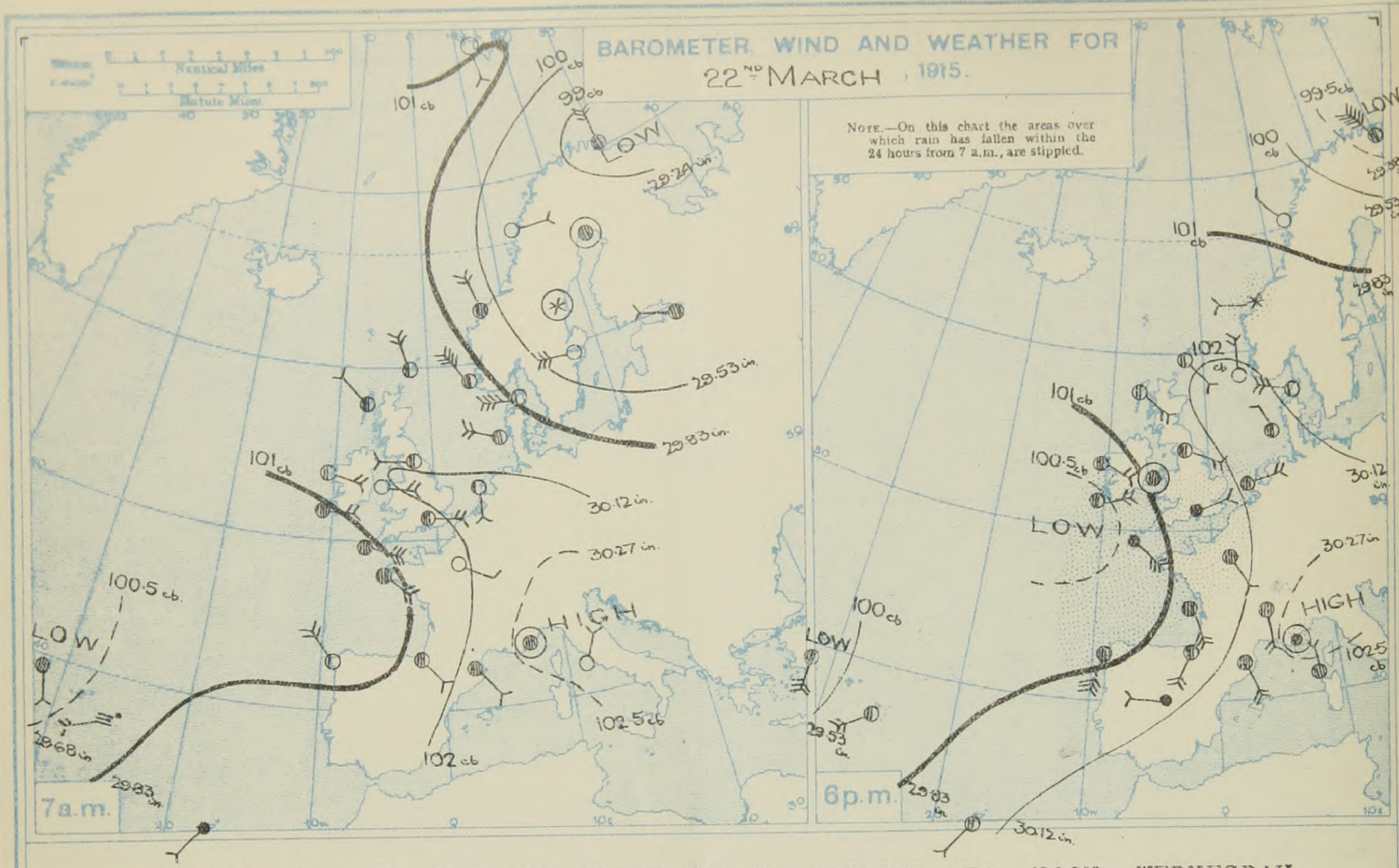
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1019.6	38	SE	2	bc	1014.5	-2	41	+8	S	4	–	cm	3	–	42	31	bc	bc	bc cm	*
	Deerness ...	1018.3	38	SE	5	o	1012.5	0	41	+9	SSE	5	–	o	5	–	42	33	bc	bc.c.o	o	6.5
	Stornoway ...	1015.0	44	SE	3	bcg	1010.5	-2	37	+5	–	0	–	bg	0	–	45	32	og	o.bcg	bg	2.2
	Castlebay (Barra Isd.)	1012.9	46	ENE	3	b	1008.9	-1	43	+1	ESE	4	–	og	4	–	47	42	o.c	c.b	bc b.og	5.0
	Glasgow ...	1015.1	42	E	4	o	1011.6	-2	38	+3	ENE	2	–	o	*	–	50	33	om.bcg	bcg.co	o c.b.o	5.0
	Eskdalemuir ...	1015.5	42	E	5	o	1011.7	-1	39	+7	SE	2	SE	o	*	0.1	50	32	om.c	c.bc.c	c.o.c	6.3
	Malin Head ...	1011.3	46	SSE	3	bcm	1007.5	0	42	+5	SE	2	–	om	2	–	48	35	bcm	bcm	om	2.5
	Blacksod Point	1008.2	49	ESE	3	cm	1003.9	-2	49	+13	SE	4	SE	cmd	5	3	51	34	bc	bc	bc.omd.	*
	Valencia ...	1003.7	47	ENE	4	o	1002.0	+1	51	+7	SE	2	–	om	3	12	51	43	op	og	omr	0.1
	Roche's Point	1007.4	45	E	4	r	1005.4	*	47	+3	SE	3	–	r	4	7	47	44	omr	rm	r.df	*
	Birr Castle ...	1008.8	44	SE	2	o	1005.5	*	47	+7	SE	1	–	o	*	–	47	34	c.od	od.o	or.o	2.9
	Donaghadee ...	1011.4	45	SE	4	cm	1008.0	-1	43	+3	SE	4	–	fr	3	2	47	39	bcm	cm	ogm.fr	*
	Liverpool (Bidston)	1015.6	47	ESE	4	o	1010.3	0	42	+8	ESE	3	–	og	2	1	51	34	b	og	or	5.0
	Holyhead ...	1010.7	48	–	0	ogm	1008.3	-1	45	+8	S	1	–	ofd	0	1	54	36	bc	cgm	cm.ofd.	5.3
	Pembroke (St. Ann's)	1009.4	42	SE	6	o	1007.7	-1	45	+5	ESE	3	–	odm	3	2	45	40	cg	cgp.	ogmp.	0.0
	Scilly (St. Mary's)	1008.0	49	SE	5	o	1006.7	+1	49	+3	S	3	S	om	5	1	49	46	om	om	om.fe	0.0
	Falmouth ...	1008.7	45	ESE	3	r	1008.1	+2	50	+5	SW	3	–	oe	4	10	50	43	od	od.or	od.or	0.0
	Jersey (St. Aubin)	1011.0	51	ESE	3	op	1013.1	*	49	+7	S	3	–	o	3	4	52	42	op.c.o	op.c.o	op	0.3
	Portland Bill ...	1011.7	45	E	4	o	1010.9	0	46	+4	E	2	–	or	2	8	49	38	c.or	r.o	of.r.	*
	Dungeness ...	1015.3	47	ESE	3	o	1012.6	-1	46	+4	–	0	–	bc	1	2	48	41	bc.c.o	o.c.o	bcp.bc	*
	Dover	1015.6	49	SE	4	o	1013.4	0	48	+7	S	3	S	og	2	2	50	41	bc.b.bo	bc.c.o	op.r.og	4.4
	Wick	1017.8	40	SSE	4	c	1012.1	-5	41	+9	S	5	S	c	5	–	41	32	o.bc.c	cg	cg.cmu	*
	Nairn	1016.5	42	ESE	1	cg	1012.5	*	29	-7	–	0	–	bcg	0	–	47	26	og	c.bc	cmx	0.4
	Aberdeen ...	1013.4	41	SE	3	o	1014.3	-1	42	+4	SE	4	–	o	2	–	43	37	o	o	o.c.o	0.0
	Leith	1015.8	44	ENE	2	o	1011.9	-1	40	+3	ENE	2	–	o	*	–	47	33	cg.bcg b	cg.o b	c.o	*
	Tynemouth ...	1016.7	43	ESE	3	c	1012.7	-2	41	+6	SE	3	–	omd.	3	–	49	34			cm.	*
	Spurn Head ...	1016.2	43	ESE	5	bc	1013.5	-2	42	+2	SE	5	–	or	5	1	48	39	bc	bc	bc.om.	7.6
	Yarmouth ...	1017.9	44	E	3	cm	1013.2	-3	43	+2	E	3	–	o	2	6	47	40	bc	bc.cm	or	7.3
	Clacton-on-Sea	1016.0	44	ESE	2	or	1011.8	-1	46	+3	SSE	1	S	c	1	4	47	42	bc.c	c.or	od.c.	5.4
	Nottingham ...	1014.9	47	SE	3	c	1011.7	*	43	+7	E	1	E	mr	*	5	53	25	bc	c.o	c.or	4.7
	Bath	1013.3	42	E	1	r	1011.3	*	45	+11	E	1	–	m	*	11	46	33	or	r	r.om	0.0
	London (Kew Obsy.)	1014.7	45	ENE	2	ofd	1012.1	0	47	+11	S	1	–	om	*	5	50	35	mx.bc.dm	om.rd.dm	ofe.omrofd	0.0
Iceland, Faeroe, &c.	Spitsbergen ...												*		*	*						
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö	992.6	21	NNW	9	c	996.3	+1	21	-4	NNW	10	–	c	5	*	25	12				
	Bodö	1005.3	30	NW	1	b	1013.3	+3	28	+12	WNW	1	N	c	1	–	30	16				
	Christiansund	1015.1	30	W	2	S	1017.7	-1	30	-4	SW	1	–	b	4	7	34	28				
	Skudesnaes ..	1021.5	36	N	3	b	1021.9	-2	32	-2	E	2	–	b	2	–	39	28				
	Færder (Christiania Fjord)	1017.7	28	NW	3	b	1024.7	+2	30	-6	N	1	W	b	1	–	41	28				
	The Scaw (Skagen)	1018.4	37	WNW	5	b	1024.3	+4	36	0	SE	2	–	b	2	–	43	32				
	Blaavands Huk	1023.4	37	NNW	1	c	1022.6	0	32	-7	ESE	2	–	o	2	–	43	28				
	Haparanda † ...	1000.8	7	WSW	2	b	1009.5	+4	14	+23	NW	4	–	b	*	–	14	-9				
	Hernösand † ...	1004.0	30	SW	2	bc	1015.9	+3	25	+4	NW	2	–	o	*	Trace	37	14				
	Stockholm † ...	1008.0	36	W	4	b	1021.7	+4	27	-5	W	4	–	b	*	–	37	25				
	Wisby †	1013.5	36	WNW	6	b	1023.7	+7	32	-5	NNW	4	–	b	*	–	37	32				
	Karlstad †... ...	1012.0	34	WNW	2	c	1024.7	+8	25	-7	NW	2	–	b	*	–	41	19				
	Petrograd (6 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1020.2	43	ENE	3	c	1016.2	0	41	+4	ESE	3	–	r	2	1	52	37				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1016.5	50	ESE	4	o	1012.7	0	51	+15	S	4	*	bc	3	1	55	36				
	La Hève	1013.7	54	SE	3	o	1013.6	*	48	+12	SW	3	*	r	3	1	55	36				
	Ushant	1007.5	50	S	5	o	1008.8	*	51		SSW	4	*	o	3	1	54	45				
	Brest (St. Mathieu)	1009.3	50	SSE	3	o	1011.0	+1	50	+4	S	4	*	o	5	1	55	46				
	Rochefort (Ile d'Aix)	1012.7	56	S	5	o	1014.9	0	50		SSE	4	*	o	*	Trace	59	50				
	Biarritz	1013.5	66	SW	4	c	1015.3	0	61	-1	SSW	3	*	o	0	–	68	57				
	Paris	1015.5	57	SE	2	o	1017.0	+2	48	+12	S	3	–	o	*	2	61	36				
	Belfort							*					*		*							
	Lyons	1022.7	46	SSE	3	o	1021.7	*	49		SSW	1	*	b	*	–	54	46				
	Nice	1027.3	46	–	0	r	1025.6	0	46	+1	–	0	*	r	1	–	55	44				
	Perpignan ..	1020.3	64	SSE	4	o	1021.0	0	54	+2	SE	2	–	o	*	–	64	52				
	Sanguinaire ...	1022.3	56	N	2	o	1020.4	*	54	+4	E	2	*	o	3	–	63	46				
Southern Europe.	Corunna (7 a.m.)	1008.4	61	SSW	6	o	1012.4	+2	54	-1	SW	6	–	r	4	10	63	54				
	Madrid (8 a.m.)	1016.6	58	W	2	r	1022.9	+3	46		SSW	1	–	bc	*	6	61	45				
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	997.8	*	S	5	c							*									
	Madeira (Funchal)	1019.1	64	SSW	2	bc	1021.3	*	57	-2	S	3	N	c	3	–	66	55				

RAINFALL.

Equivalents of Millimetres. in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

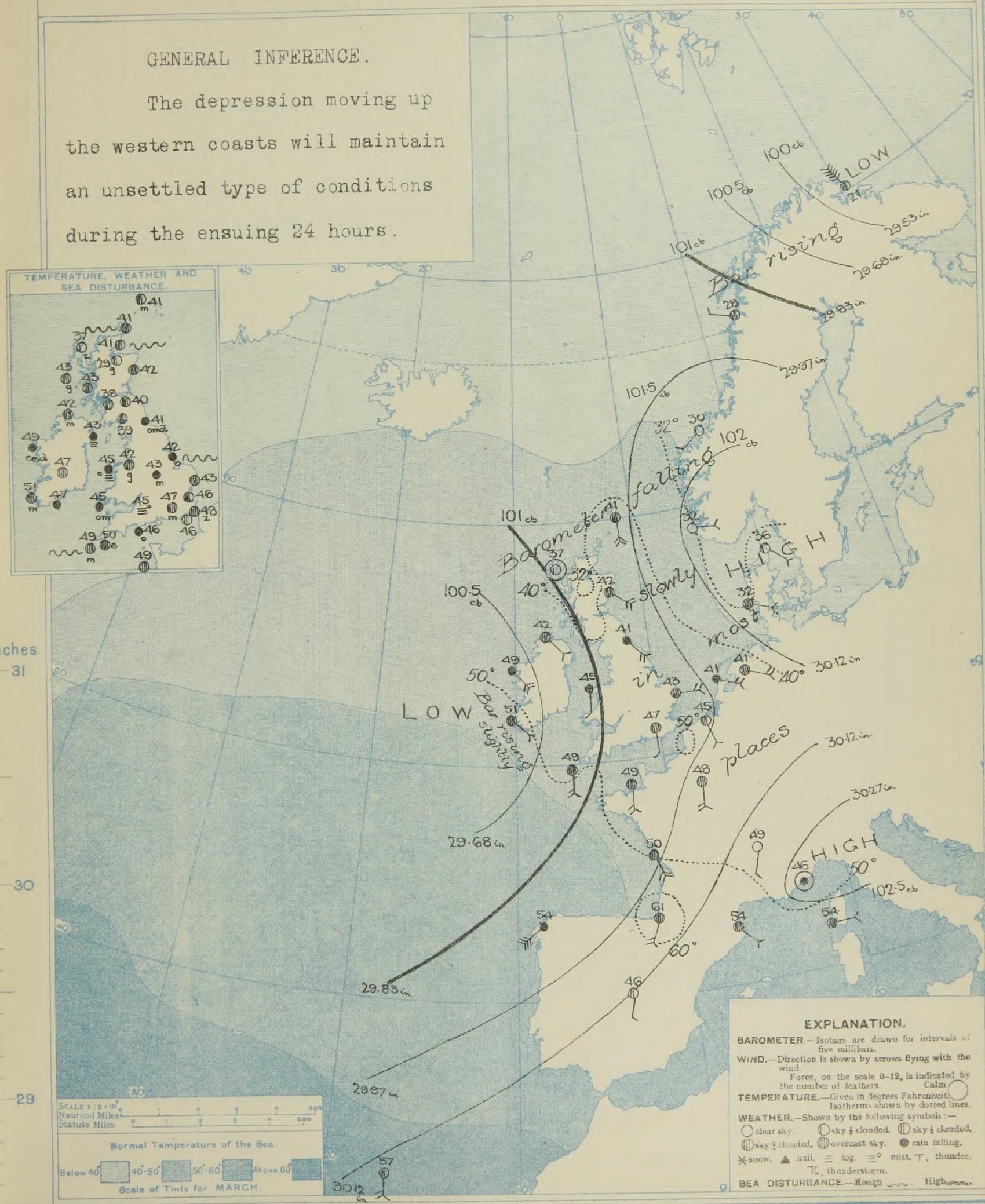
No warnings issued.

0 a, b	South-Easterly to Southerly and South-Westerly breezes, mostly moderate to light; fair intervals, but generally cloudy to dull, damp and misty, some rain; mild.
1	
2 a, b	
3	
4 a, b	
5	
6 a, b	
7 a, b	
8 a, b	
9 a, b	
10 a, b	
Western Channel and Bay 11	Southerly to Westerly breezes, fresh or strong at times; moderate to rough sea and swell; unsettled, some rain, mist or fog; mild.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 23RD MARCH, 1915.



DAILY WEATHER REPORT. Tuesday, 23rd March 1915.

REPORTS FOR YESTERDAY.

23rd March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Petrograd	995.9	14	E	3	S	996.3	+1	21	+7	WNW	2	-	o	*	1	28	12
Rome	1024.4	52	N	1	C	1027.7	+3	43	-7	NNE	2	-	b	*	2	57	41

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	3	50	36	b	c	3.3
	Banff	1	42	36	c	o	0.0
	St. Andrews	–	44	32	*	*	1.9
Eng. N.E.	Harrogate	–	52	27	b.	b.bc.c.o	8.3
	Scarborough	*	49	35	bc	bc	10.5
	Skegness	–	48	32	b	b.o	7.4
Eng. N.W.	Morecambe	–	52	31	b	b.bc.c.	7.4
	Blackpool	–	53	31	bm.b.	b.bc..	6.7
	Southport	–	54	29	b.bc	c.o.c.	6.6
Midlands	Buxton	–	54	24	b	bc	6.1
	Leamington Spa	1	51	28	bc.c	od.r	3.0
	Malvern	–	49	32	bc.c	c	0.0
	Ross-on-Wye	1	48	26	bem	or	1.1
Wales	Rhyl	–	52	29			5.0
	Colwyn Bay	–	52	31	bc	bc.o	5.3
	Llandudno	–	53	25	b	bc	4.9
	Aberystwyth	–	48	39	r.o.c	c.o	1.3
	Tenby	2	44	39	bc.c.o	or	0.0
	Swansea	2	45	40	or	r	0.0
England, E.	Cromer	–	53	35	b	b.bc.o.c	7.9
	Lowestoft	–	48	35	bc.o	o.c.o	6.6
	Felixstowe	1	47	36	bc	or	5.4
	Walton-on-Naze	1	46	38	bc	bc.c.or	6.3
	Southend-on-Sea	1	49	37	bc.c	or	3.6

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Tunbridge Wells	–	48	32	o.c.o	op.or	0.5
	Margate	–	48	38	bc	c.op	5.2
	Ramsgate	–	48	31	bc	o	5.1
	Folkestone	–	48	40	bc	bc.o	3.3
	Hastings	–	50	39	b.bc.o	o	3.1
	Bexhill-on-Sea	–	48	40	bc	o	2.6
	Eastbourne	–	45	31	bc.o	or	1.6
	Seaford	–	49	36	c	o	1.4
	Brighton	–	49	37	o	or.o	0.9
	Worthing	0.3	47	36	o	r	0.5
	Littlehampton	1	46	*	bc	ogr	0.0
	Bognor	1	45	39	o	od	0.0
	Southsea	2	46	37	o	or	0.0
	Bournemouth	3	44	36	od	od	0.0
England, S.W.	Weymouth	4	45	41	op	p.o	0.0
	Torquay	4	44	43	o	r.or	0.0
	Paignton	3	46	39	c.od	od	0.0
	Falmouth	6	45	43	od	od.or	0.0
	Penzance	2	48	45	c	or	0.0
	Newquay	–	46	40	o	o.empty	0.0
	Ilfracombe	2	49	41	op	op	0.0
	Weston-super-Mare	3	45	38	or	r	0.3

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature (24 hours ended 9 a.m. To-day) In Screen Max.	In Screen Min.	Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	84	90	1.5	52	43	41	4	bc.c	o.or	or
City (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	76	95	0.0	51	45	42	3	o	od.r	omr
Camden Sq. (Brit. Rainfall)	82	96	0.2	50	42	41	5	bcm.o	or	*
Hampstead (Reservoir)	*	99	0.0	49	40	35	6	om	or	od.o
Richmond Park	*	*	0.1							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	73	95	0.0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
495 Joules	11.3 Milliwatts.	35 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall.	Temperature In Screen Max.	Temperature In Screen Min.	Night Min. on Grass.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	–	51	32	26	bc	bc.	bc.o	5.5
Manchester "				*				
Birmingham "	–	51	33	22	b.bc.c	c	o.or	3.0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	2	50	37	23	b.bm	bcm.om	omr	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

23rd & 24th March 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.52 / 5.50	12.0 / 12.0	6.8 / 6.10
Greenwich	5.59 / 5.57	12.7 / 12.7	6.15 / 6.17
Wick	6.10 / 6.7	12.19 / 12.19	6.27 / 6.30
Valencia	6.40 / 6.38	12.48 / 12.48	6.56 / 6.58

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to between 50° and 54° in several localities. Rain fell in most parts of England and Ireland, 10 mm at Falmouth. Sunshine varied greatly, none in many places, 10½ hours at Scarborough.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 83.

Wednesday, 24th March, 1915.

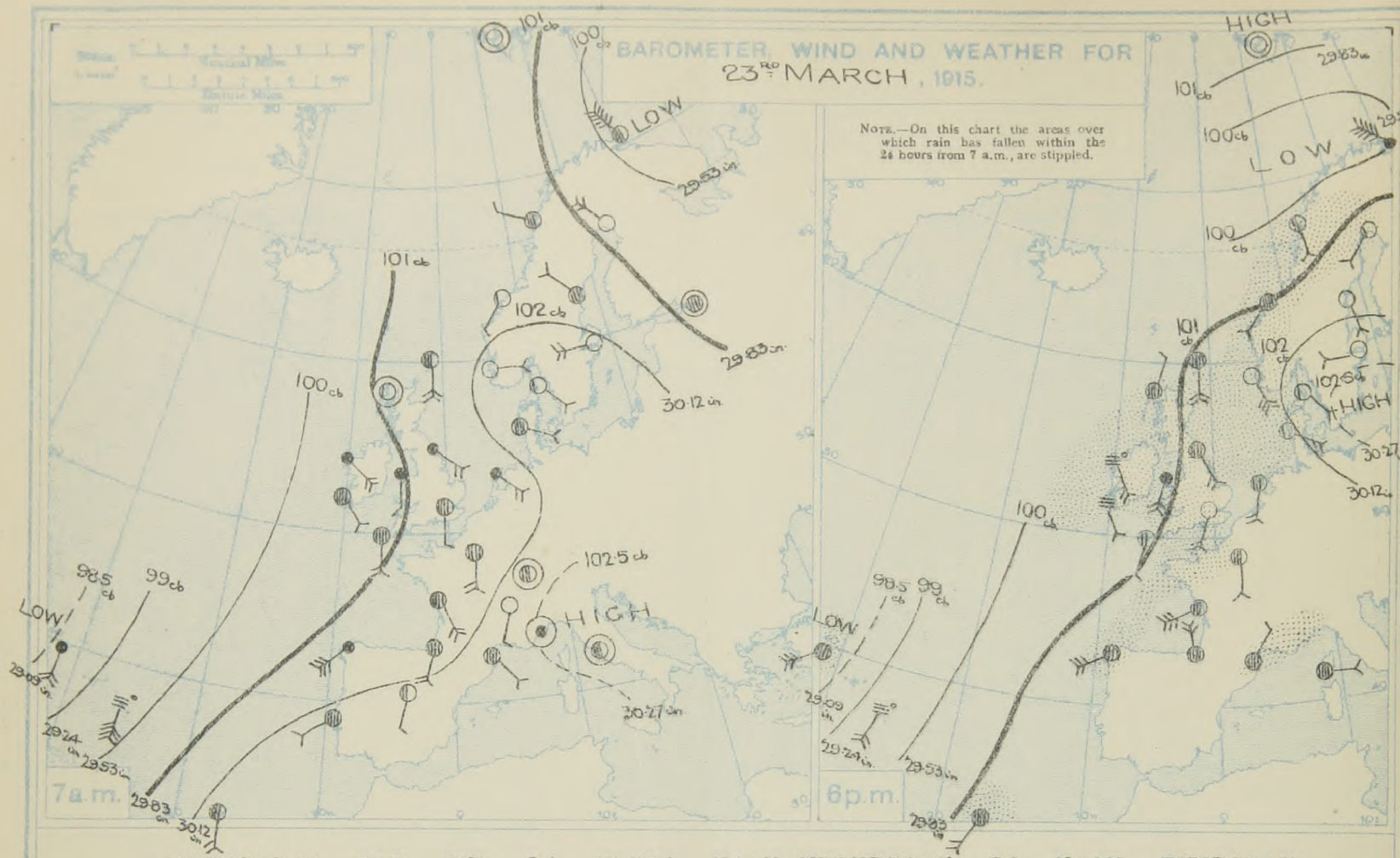
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1010.8	43	S	4	om	1015.0	+3	36	-5	N	4	–	o	4	–	43	35	omg	om	om.	*
	Deerness ...	1009.8	43	S	4	og	1014.2	*	39	-2	NNE	5	–	o	5	Trace	45	39	o.c.bc.b	b.bc.c	o.bc.b.bc	3.9
	Stornoway ...	1009.6	45	NNE	1	o	1014.0	+3	42	+5	NE	6	–	odp	5	1	47	36	b.og	og	odp.	3.0
	Castlebay (Barra Hd.)	1008.3	44	E	3	r	1010.5	+1	43	0	NE	5	–	op	5	13	44	42	og.pm	opm.r	rd.op.	0.0
	Glasgow ...	1009.9	44	ENE	2	o	1011.1	+2	44	+6	E	1	–	md	*	2	45	38	odp.o	dp.om	omdp.	0.0
	Eskdalemuir ...	1009.9	49	–	0	o	1012.4	+1	43	+4	SSE	1	–	ofe	*	6	49	39	o.or.o	o	o.omr	0.0
	Malin Head ...	1006.5	50	S	2	cm	1009.0	+1	48	+6	SW	1	–	omr	1	4	51	43	omp	cm	omr	0.0
	Blacksod Point	1005.8	49	SSE	3	me	1010.5	+3	47	-2	SSW	3	–	fe	2	2	50	42	omd	fe	f.fe	*
	Valencia ...	1006.1	52	SSE	2	m	1012.9	+3	47	-4	SW	1	–	omd.	3	2	56	47	omr	cm	omr	0.9
	Roche's Point	1008.5	48	SE	3	o	1013.4	*	47	0	SSE	1	–	f	3	2	49	46	dfe	fe	om.fe	*
	Birr Castle ...	1007.4	54	S	1	o	1011.8	*	48	+1	S	1	–	r	*	1	57	46	o	o	od.	0.0
	Donaghadee ...	1007.8	48	SE	3	f	1011.6	+1	46	+3	SSW	2	S	cm.	1	1	47	42	f	f	of.cm.	*
	Liverpool (Bidston)	1010.7	49	SE	2	r	1012.9	0	41	-1	S	1	–	m	1	1	54	40	o.bc.	op.	om.	1.1
	Holyhead ...	1009.3	47	SSW	4	fr	1012.5	+1	47	+2	SSW	3	SW	omg	2	2	54	45	opdm	opd.fr	fe.om.	0.0
	Pembroke (St. Ann's)	1011.0	47	SSW	2	bc	1013.4	+1	47	+2	NNW	1	–	cm.	1	2	49	44	odm	f	bcm.	0.4
	Scilly (St. Mary's)	1009.3	51	SSW	2	bc	1013.1	+3	47	-2	NNW	2	–	bc	4	–	55	47	cm	bc	bc.o.bc	6.2
	Falmouth ...	1010.8	50	S	2	c	1011.8	+3	48	-2	NW	3	NW	c	3	6	55	49	op.c	o.c.bco	od.c.	3.7
	Jersey (St. Aubin)	1012.6	52	SE	3	og	1012.2	*	48	-1	SW	3	SW	c	3	9	56	48	o.b	b.bc.c	op.c.	8.5
	Portland Bill ...	1012.3	48	NE	2	bc	1012.1	0	47	+1	E	3	–	omd.	3	7	51	46	cr	bc	bop.od.	*
	Dungeness ...	1013.6	51	–	0	bc	1014.3	0	46	0	S	2	–	o	2	–	51	44	bc	o.bc	bce.o	*
	Dover	1015.4	50	SW	3	bc	1014.5	+1	49	+1	SSW	4	SW	o	4	2	56	46	og.bc	c.bc	bc.or.o	4.6
	Wick	1009.6	43	SSW	2	m	1013.8	+3	42	+1	NNE	4	–	m	4	0.1	44	39	cm.bcg	bcg	bc.omp	*
	Nairn	1009.2	46	–	0	odm	1013.3	*	39	+10	–	0	–	md.	0	7	48	28	bcm	omp.o	dg	5.4
	Aberdeen ...	1010.3	43	S	2	om	1012.7	+2	42	0	NW	4	–	odm	3	2	43	41	omd	odmp	omfd.	0.0
	Leith	1009.5	45	ENE	1	o	1011.2	+2	43	+3	ENE	2	–	gr	*	2	49	39	o.od.o	og	d	*
	Tynemouth ...	1010.7	43	SSE	3	o	1010.8	0	48	+7	SSW	1	–	omr	3	5	48	41	om	om	omr	*
	Spurn Head ...	1012.5	45	S	3	o	1014.9	+4	43	+1	W	2	–	f	5	0.4	49	40	omr	om	om	0.0
	Yarmouth ...	1013.7	51	S	2	of	1014.5	0	44	+1	S	2	–	f	1	–	57	42	of	of	bcf	0.6
	Clacton-on-Sea	1013.7	49	SW	2	bc	1013.1	0	45	-1	SSE	2	–	ogm	1	0.2	49	44	co	co.bc	bc.ogm	2.2
	Nottingham ...	1011.8	52	SW	2	r	1013.6	*	42	-1	SW	1	–	fe	*	2	56	39	r.om	omr	md.o.cb	0.1
	Bath	1012.6	54	S	2	bc.	1012.8	*	48	+3	E	1	E	r	*	3	57	45	mr.o	o.c.bc	bc.c.or	0.0
	London (Kew Obsy.)	1013.7	55	SSW	3	b	1012.3	+1	48	+1	E	1	–	om	*	1	58	44	om.om.om	o.c.bc.b	b.bf or.om.	2.1
ICELAND, FAEROE, &c.	Spitsbergen ...	1013.6	-19	–	0	b	1009.0	-3	-8	+11	–	0	*	o	*	*	-8	-22				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö	1000.4	18	NW	9	r	995.0	-5	18	-3	E	1	–	c	5	*	21	18				
	Bodö	1001.6	34	S	2	bc	989.0	-6	30	+2	E	10	–	c	6	?	37	27				
	Christiansund	1009.2	41	SW	2	o	1005.9	0	34	+4	SW	4	–	s	4	3	41	30				
	Skudesnaes ..	1017.9	39	SSE	5	b	1011.7	+1	39	+7	S	6	–	r	4	8	41	32				
	Færder (Christiania Fjord)	1022.9	34	S	3	b	1013.6	-4	36	+6	SSE	2	±	r	2	1	37	30				
	The Scaw (Skagen)	1023.1	36	SE	2	b	1013.2	-7	36	0	S	3	–	r	3	1	41	36				
	Blaavands Huk	1019.3	41	ESE	3	b	1014.0	-1	41	+9	SW	2	–	f	2	1	46	30				
	Haparanda ...	1014.6	16	SW	2	b	998.1	-7	25	+11	SW	6	–	o	*	Trace	28	-9				
	Hernösand ...	1018.7	28	S	2	b	1006.3	-5	34	+9	S	4	–	o	*	–	39	25				
	Stockholm ...	1023.8	34	W	2	b	1018.9	-5	32	+5	S	2	–	o	*	–	37	27				
	Wisby	1027.1	32	WSW	2	b.	1021.7	-5	36	+4	S	4	–	b	*	–	36	27				
	Karlstad	1024.2	30	S	2	b	1015.9	-7	27	+2	ESE	2	–	o	*	–	36	18				
	Petrograd (6 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1015.0	48	SSW	3	c	1016.0	0	45	+4	S	1	–	m	1	3	48	39				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1014.7	52	SSW	2	c	1014.1	+1	50	-1	S	4	*	c	2	–	55	50				
	La Hève	1019.0	54	SE	2	o	1015.9	*	48	0	SSE	3	*	o	2	2	57	46				
	Ushant							*					*									
	Brest (St. Mathieu)	1008.2	50	S	6	c	1014.3	+4	48	-2	NW	4	*	o	5	9	57	46				
	Rochefort (Ile d'Aix)	1016.6	53	WSW	6	c	1019.4	0	50	0	SW	4	*	o	*	1	63	50				
	Biarritz	1018.6	57	NNW	4	o	1020.4	0	54	-7	SE	1	*	c	2	–	68	52				
	Paris	1016.7	57	SE	2	o	1017.6	+1	50	+2	S	3	–	o	*	Trace	63	48				
	Belfort							*					*		*							
	Lyons							*					*		*							
	Nice												*									
	Perpignan ..	1019.5	54	NE	1	o	1023.1	+3	52	-2	NE	2	–	o	*	Trace	64	52				
	Sanguinaire ...	1018.9	56	E	2	o	1016.4	*	55	+1	E	1	*	m	3	–	61	46				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017.5	61	WSW	5	o	1019.4	+1	57	+3	SE	3	–	b	2	8	63	54				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	987.3	*	SSW	5	o	992.4	0	60	+1	SW	5	*	o	5	8	61	54				
	Madeira (Funchal)	1018.0	64	SW	3	o	1013.5	0	61	+4	S	3	SW	r	3	7	66	57				

RAINFALL.

Equivalents of Millimetres in Inches.

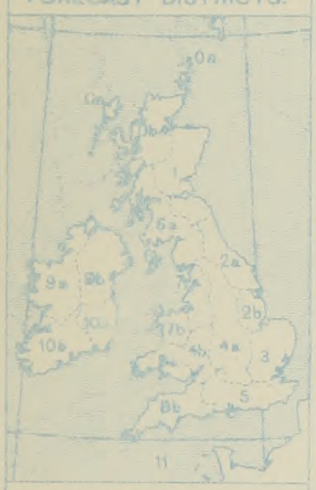
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.



0 a, b: North-Easterly and Northerly moderate to strong winds; dull, some mist or fog and rain, fair periods; mild.

1, 2 a, b, 3, 4 a, b, 5, 6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b, 11: Light variable breezes; dull, some mist or fog and rain, fair periods; mild.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No warnings issued.

Western Channel and Bay

Millibars / Inches: 1050 (31), 1040, 1030, 1020, 1010 (30), 1000, 990, 980 (29), 970

FURTHER OUTLOOK.

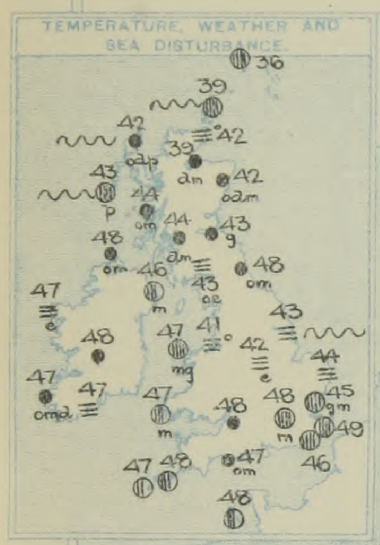
R. G. K. LEMPFERT, Superintendent, Forecast Division.

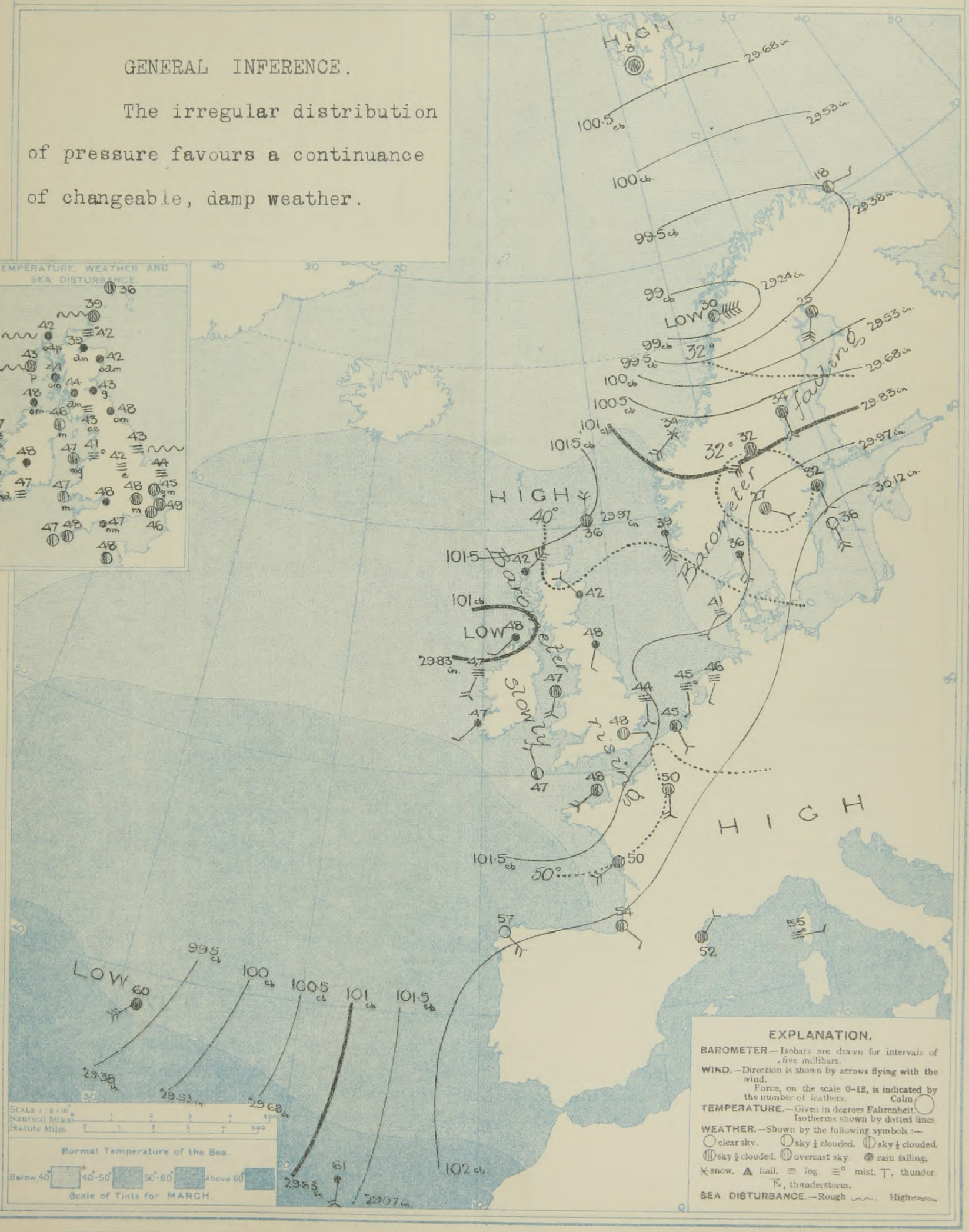
W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 24th MARCH, 1915.

GENERAL INFERENCE.

The irregular distribution of pressure favours a continuance of changeable, damp weather.





DAILY WEATHER REPORT.

Wednesday, 24th March 1915.

REPORTS FOR YESTERDAY.

23rd March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb °F.	Change in 24 hours °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1013·6	-15	SE	1	b	1015·4		-19	-2	–	0	*	b	*	*	-9	-26
Petrograd	994·4	19	NE	3	o	1009·6	+2	9	-12	SW	1	–	o	*	9	27	0
Belfort	1021·3	54	WSW	6	r	1023·1	*	45		–	0	*	c	*	?	59	48
Lisbon	1015·9	59	SW	5	c	1020·2	+2	55		SW	2	–	0	6	–	61	56
Rome	1028·7	54	SW	1	c	1026·9	+1	48	+5	NE	1	–	c	*	–	61	43
Horta	.	.	.	.	.	990·1	-2	59	+2	SW	5	*	c	6	10	64	52

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	50	39	or	r.o	0·0
	Banff	0·3	47	39	g.c.bc	c.od.	0·8
	St. Andrews	–	47	37	*	*	0·0
Eng., N.E.	Harrogate	3	51	38	c.o.c	c.o	0·3
	Scarborough	*	45	41	o	o	0·0
	Skegness	4	53	41	r.o	od.	0·3
Eng., N.W.	Morecambe	2	53	43	o	d.o	0·0
	Blackpool	2	56	42	om.bc	bc.or.o	0·8
	Southport	1	56	42	or.c	or.o	0·3
Midlands	Buxton	9	51	38	or	or	0·0
	Leamington Spa	6	55	41	od.mr	od.cm	0·0
	Malvern	26	54	40	md	o.c	0·0
	Ross-on-Wye	8	55	40	omr	bc	0·0
Wales	Rhyl	3	57	?			0·6
	Colwyn Bay	2	58	42	c.bc	bcp.	0·2
	Llandudno	1	57	37	o	o	0·0
	Aberystwyth	5	55	44	r.o.c	c.o	0·5
	Tenby	10	51	40	r.bc.o	bc.o	0·5
	Swansea	7	52	42	r.bc	c	0·3
England, E.	Cromer	6	58	41	o.c	o.c.bc.	0·9
	Lowestoft	4	56	42	odf.c	c.op.c	0·3
	Felixstowe	3	50	42	bc.c	bc.c	1·6
	Walton-on-Naze	2	51	42	bc.c	c.bc.b	2·7
	Southend-on-Sea	1	55	44	p.	bc.b.	1·7

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	0·3	58	45	m.o	c.bq	1·3
	Margate	1	60	43	c	bc	3·6
	Ramsgate	1	57	45	c.od.	o.bc.	2·9
	Folkestone	0·3	52	45	o	bc.	1·9
	Hastings	1	53	46	od.c	bc.c.	2·4
	Bexhill-on-Sea	2	51	45	bc	c.	3·7
	Eastbourne	–	55	45	o	bc.b.bc	3·8
	Seaford	2	56	39	o	c	3·5
	Brighton	2	52	45	o.c.bc	bc.c.	3·8
	Worthing	3	55	45	r	bc.	4·1
	Littlehampton	4	50	*	o	bc.	3·8
	Bognor	5	51	44	or.b	bc.	8·2
	Southsea	4	59	43	or.c	b	3·7
	Bournemouth	6	57	42	o.c	bc.c.	2·9
England, S.W.	Weymouth	9	55	43	d.o.c	bcz	2·9
	Torquay	4	55	44	c.o	c.bc.c.	3·5
	Paignton	4	56	44	o	bc.	1·8
	Falmouth	5	55	45	o.c	o.c.bco	3·7
	Penzance	3	53	46	b	b.bc.	4·2
	Newquay	2	58	44	ompd.c.	bc.	3·7
	Ilfracombe	3	59	43	op.o.c	c.bc.	0·0
	Weston-super-Mare	15	58	39	r	r.bc.	0·0

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday.	Humidity 9 a.m. To-day.	Sunshine for Yesterday.	Temperature in Screen Max. (24 hours ended 9 a.m. To-day)	Temperature in Screen Min.	Min. on Grass.	Rainfall.	Weather Forenoon.	Weather Afternoon.	Weather Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	73	95	2·5	59	45	34	1	o	o.bc	bc.o
City (Bunhill Row)	*	*	0·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	70	87	0·9	59	47	38	2	or	bc.	me.
Camden Sq. (Brit. Rainfall)	77	100	0·5	58	45	37	2	om.or	c	*
Hampstead (Reservoir)	*	97	1·3	57	44	31	3	or.bc.	o.bc	omr.o
Richmond Park	*	*	2·0							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	73	89	0·4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total. Joules	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature In Screen Max.	Temperature In Screen Min.	Temperature Night Min. on Grass.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								
Darwen to 9 p.m.	3	56	40	39	our	ou.b	k.or	1·0
Manchester "				*				
Birmingham "	6	53	40	37	r	od	od	0·0
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth "								
S. Kensington (Museum Grounds to 6 p.m.)	2	58	45	43	omd.on	omg.o	o.c.b.	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

24th & 25th March 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.50 / 5.48	12.0 / 11.59	6.10 / 6.11
Greenwich	5.57 / 5.54	12.7 / 12.6	6.17 / 6.18
Wick	6.7 / 6.4	12.19 / 12.18	6.30 / 6.33
Valencia	6.38 / 6.35	12.48 / 12.47	6.58 / 6.59

NOTES ON YESTERDAY'S WEATHER.

Temperature passed 55° in several districts, and touched 60° at Margate. Light rain fell generally. Sunshine was very variable, none at several stations to 8½ hours at Jersey.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 84

Thursday 25th March 1915.

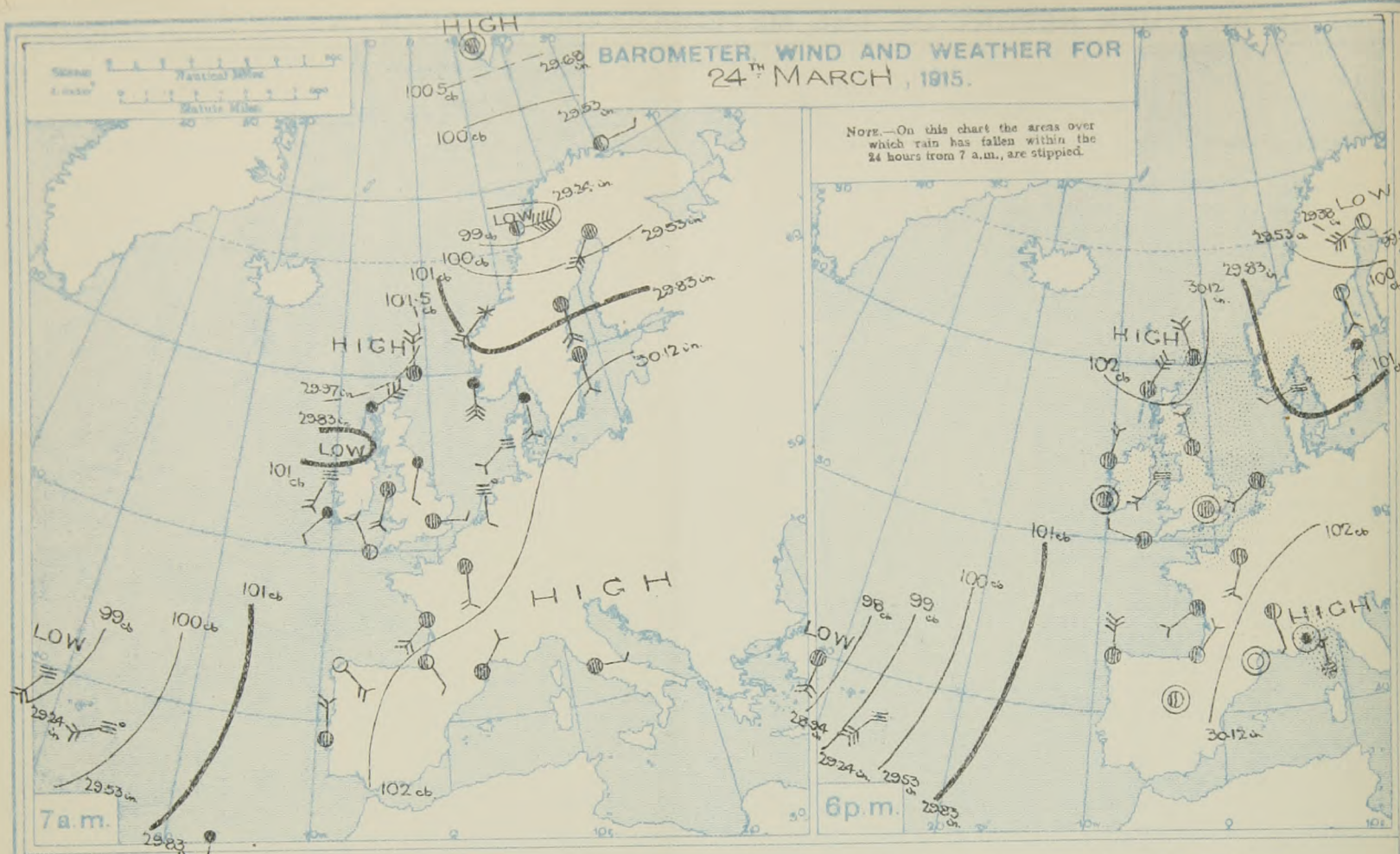
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
British Islands.	Lerwick ...	1020.6	34	NNW	4	o	1024.2	+1	35	-1	NNW	4	N	c	3	1	37	30	og	og	bcsp	*
	Deerness ...	1022.0	34	NNE	5	o	1026.1	*	35	-4	NNW	5	N	oc	4	—	42	32	o.c	c.o	ophc	0.0
	Stornoway ...	1022.5	38	NE	6	oq	1028.8	+3	35	-7	NNE	3	—	o	4	—	41	34	oq	oq	o.bc.oq	0.0
	Castlebay (Barra Isd.)	1018.0	41	NNE	5	o	1027.3	+3	37	-6	NE	3	NE	b	3	—	45	35	op.o	o	o.b.	0.0
	Glasgow ...	1016.8	38	NE	5	orgq	1025.6	+4	33	-11	NE	2	—	b	*	3	44	33	mdp.og	odp.rq	oq.c.bc	0.0
	Eskdalemuir ...	1016.6	40	NE	4	or	1024.6	+4	32	-11	NNE	4	NE	o	*	3	48	32	ofe.om	om.or	or.os.	0.0
	Malin Head ...	1014.1	45	SW	1	fe	1023.0	+4	39	-9	E	5	E	cq	5	3	49	39	fe	fe	eqp.	0.0
	Blacksod Point	1016.8	46	NNE	3	om	1019.6	+3	43	-4	NNE	4	NE	omd	3	—	48	41	fe	fe.	om	*
	Valencia ...	1016.2	50	—	0	o	1018.6	+1	48	+1	E	1	—	o	3	1	52	47	omd	d	om	0.0
	Roche's Point	1017.1	49	W	2	o	1019.5	*	46	-1	N	1	—	o	1	0.1	52	45	f.o	om	o	*
	Birr Castle ...	1016.4	50	W	1	o	1020.3	*	42	-6	NE	2	—	r	*	4	51	42	o	o	od.	0.0
	Donaghadee ...	1013.6	50	SSW	1	m	1022.5	+4	38	-8	E	4	E	cgm.	4	2	52	38	f	m	omqr.c	*
	Liverpool (Bidston)	1015.2	48	WNW	1	o	1019.9	+6	38	-3	ENE	5	SE	orq	3	5	56	38	bcm.	om	or	1.6
	Holyhead ...	1014.9	47	SW	3	f	1018.4	+3	41	-6	E	7	—	omdp.	6	1	54	40	o.c.of	bcf.o	fe.odm	5.4
	Pembroke (St. Ann's)	1016.8	46	WSW	1	f	1017.8	0	46	-1	NW	1	—	o	1	—	49	45	cm.	c	f	4.9
	Scilly (St. Mary's)	1017.0	49	WNW	1	om	1018.5	0	48	+1	WNW	1	—	c	2	—	56	46	bc.	f	om.ct	4.1
	Falmouth ...	1016.8	50	NW	3	o	1017.6	0	48	0	NW	2	—	o	2	—	58	48	c.o	bc.b.o	o	4.4
	Jersey (St. Aubin)	1015.6	49	W	3	om	1017.4	*	47	-1	WNW	3	NW	o	3	0.3	52	45	omdse	e.om	o.bc.o	1.1
	Portland Bill ...	1014.3	49	NW	2	cg	1015.9	0	46	-1	NW	2	NW	c	3	0.4	52	43	df	c.bc.	c	*
	Dungeness ...	1014.2	46	SSW	1	f	1014.2	0	48	+2	NW	1	—	f	1	0.3	50	45	odm	odm.f	md.af	*
	Dover ...	1015.0	48	SW	1	f	1015.1	+1	46	-3	N	4	—	om	3	2	50	43	od.bc	cd.of	m.omr	0.1
	Wick ...	1021.2	36	NE	3	o	1026.4	+2	36	-6	N	4	N	o	4	—	42	33	omgq	omq	om	*
	Nairn ...	1020.6	38	ENE	4	oqu	1027.3	*	34	-5	N	2	—	bcc.	3	4	42	32	odq	cdq	cq	0.0
	Aberdeen ...	1019.7	38	NNE	4	o	1025.2	+1	34	-8	NW	4	—	b	3	8	44	33	omr	or	ospl'c.b	0.0
	Leith ...	1017.7	40	ENE	3	r	1025.1	+2	37	-6	N	3	E	c	*	12	43	36	r	r	r	*
	Tynemouth ...	1015.1	42	NNE	2	om	1022.2	+4	38	-10	NE	5	N	om	5	6	57	36	cm	cm	omr	*
	Spurn Head ...	1014.9	49	—	0	o	1019.7	+3	38	-5	ENE	5	—	or	5	2	59	36	bcf	om	om	6.2
	Yarmouth ...	1014.5	46	S	3	om	1017.1	+3	45	+1	NE	5	NE	or	3	3	49	39	f.om	om	or	1.7
	Clacton-on-Sea	1013.5	47	SE	2	c	1014.1	+2	46	+1	N	3	—	og	2	3	50	44	ogmr.c	c.bc.c	og	1.8
	Nottingham ...	1014.0	57	NW	2	o	1019.8	*	37	-5	NE	4	NE	n	*	1	63	37	f.m.b	bcm.d	o	4.1
	Bath ...	1014.7	55	W	1	o	1016.7	*	47	-1	W	1	W	o	*	0.2	57	44	r.om	og	odq	0.1
	London (Kew Obsy.)	1014.2	56	—	0	o	1016.1	+3	46	-2	NNE	3	—	om	*	Trace	58	45	om.o.c.o	o.c.o	o.om	0.0
Iceland, Faeroe, &c.	Spitsbergen ...												*		*	*						
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...															*						
	Bodö ...																					
	Christiansund																					
	Skudesnaes ...																					
	Færder (X'tania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda ...	991.0	28	WSW	6	b	999.0	+6	16	-9	NNW	6	NW	bc	*	—	37	9				
	Hernösand ...	1003.8	36	S	2	bc	1007.5	+5	27	-7	N	6	—	b	*	—	43	25				
	Stockholm ...	1006.6	36	SSW	2	r	1006.1	+3	32	0	N	2	—	o	*	4	37	30				
	Wisby ...	1009.9	37	SW	4	r	1008.1	0	32	-4	NE	4	—	s	*	24	46	32				
	Karlstad ...	1007.9	34	—	0	f	1010.6	+4	28	+1	NNW	4	—	b	*	4	36	27				
	Petrograd (3 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1014.7	46	SW	2	o	1013.9	+2	39	-6	NNE	6	—	r	s	7	55	39				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1014.1	49	SSW	3	f	1013.6	0	46	-4	SW	2	*	f	2	2	50	43				
	La Hève ...	1015.7	47	SW	2	f	1016.7	*	48	-3	WNW	2	*	f	2	4	48	41				
	Usbant ...	1019.3	50	N	1	m	1019.3	*	50		NE	1	*	o	3	—	55	45				
	Brest (St. Mathieu)	1019.3	51	NW	2	o	1019.1	0	48	0	NW	1	*	m	5	—	57	46				
	Rochefort (Ile d'Aix)	1019.7	51	SW	2	o	1018.6	0	47	-3	E	2	*	m	*	—	57	46				
	Biarritz ...	1018.9	55	NE	2	bc	1016.2	-2	52	-2	SE	3	*	c	2	—	63	50				
	Paris ...	1016.7	52	SSW	2	r	1014.9	0	48	-2	WNW	2	—	o	*	3	55	48				
	Belfort ...							*					*		*							
	Lyons ...	1021.3	53	—	0	c	1020.2	*	47		—	0	*	o	*	—	61	42				
	Nice ...	1021.9	48	—	0	r	1019.1	-1	49		—	0	*	o	2	2	57	46				
	Perpignan ...	1021.2	54	—	0	b	1019.0	0	45	-7	SW	2	W	c	*	—	66	39				
	Sauguinaire ...	1017.2	55	N	3	f	1016.2	*	53	-2	E	1	*	f	3	3	59	46				
Southern Europe.	Corunna (7 a.m.)	1015.8	61	N	5	o	1015.3	0	57	0	S	1	SE	bc	1	—	68	55				
	Madrid (8 a.m.)	1018.0	63	—	0	bc	1019.1	+2	50		—	0	—	b	*	—	63	48				
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	984.4	*	SW	5	o							*									
	Madeira (Funchal)	1016.7	64	W	4	o	1016.1	0	63	+2	SW	4		r	4	23	64	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones hoisted 3.45 p.m.

Western Channel and Bay 11

Northerly and North-Easterly breezes, fresh and gusty at times; changeable, dull to fair, some rain or sleet; colder.

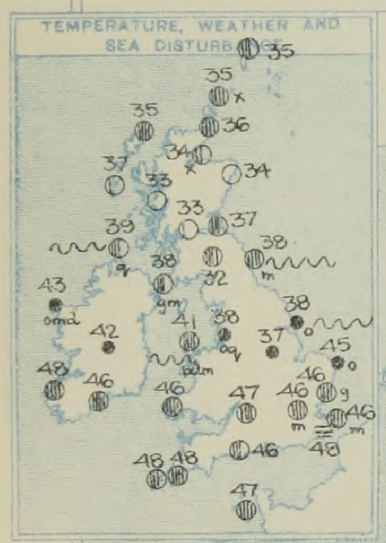
FURTHER OUTLOOK.

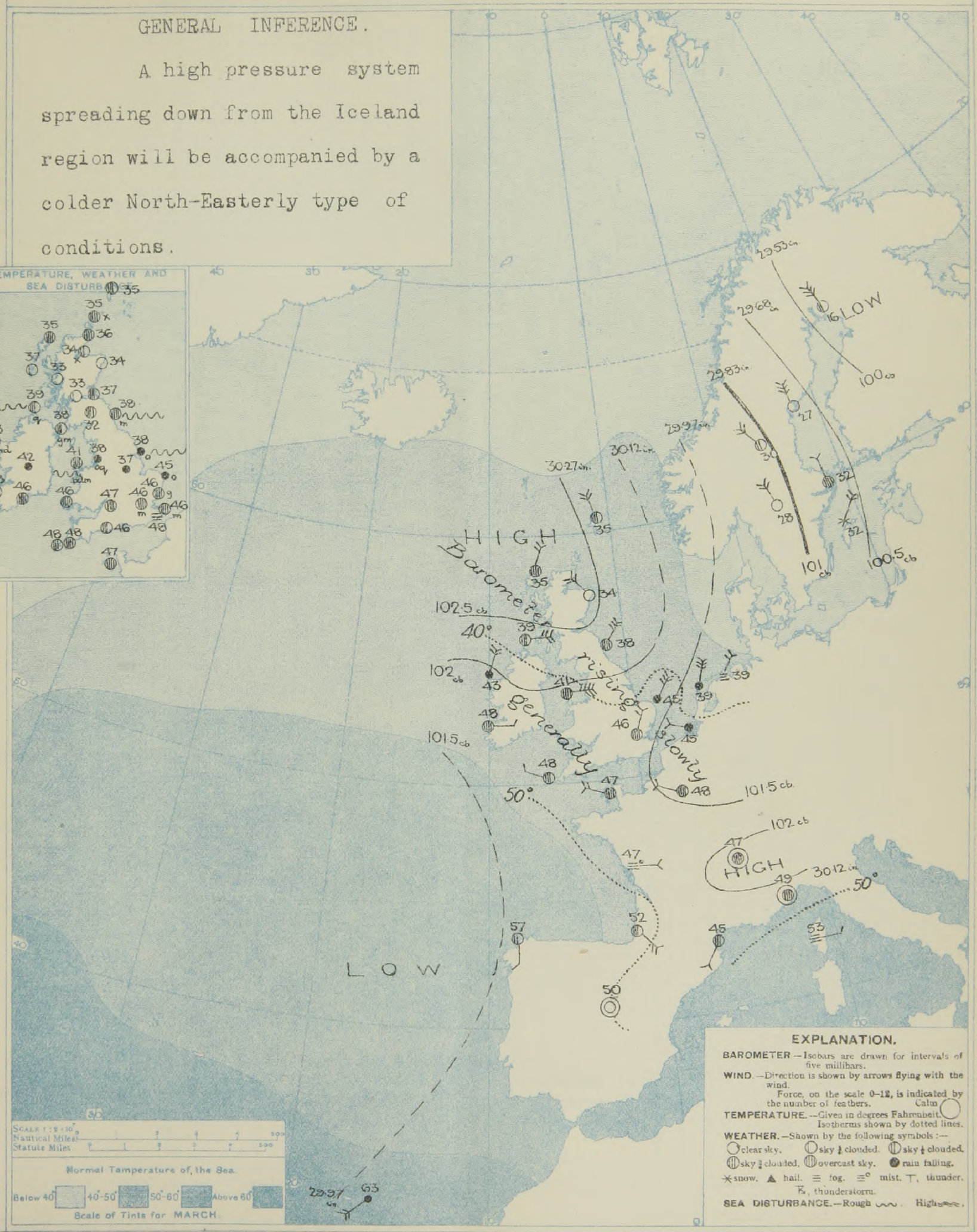
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., THURSDAY 25th MARCH, 1915.

GENERAL INFERENCE.

A high pressure system spreading down from the Iceland region will be accompanied by a colder North-Easterly type of conditions.





DAILY WEATHER REPORT. Thursday, 25th March, 1915.

REPORTS FOR YESTERDAY.

24th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Lisbon	1020·8	59	SW	3	b	1018·6	0	52	−3	N	3	–	o	*	–	63	52
Rome	1025·0	55	S	1	o	1022·0	0	52		E	1	–	o	*	1	63	52

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	12	45	43	r	o	0·0
	Banff	10	48	38	r	o	0·0
	St. Andrews	10	42	38	*	*	0·0
Eng. N.E.	Harrogate	1	56	44	c.bc.b	bc.c.bc.o	3·9
	Scarborough	*					
	Skegness	–	53	41	m.b	b.o	6·0
Eng. N.W.	Morecambe	2	50	45	o	o	0·3
	Blackpool	2	57	42	o.gm.bc	bc.c	2·4
	Southport	3	59	40	of.c.bc	c.o.c	4·0
Midlands	Buxton	–	55	36	c	c	2·7
	Leamington Spa	2	60	37	m.o.bcp	omp	2·5
	Malvern	1	57	43	bc	c	3·2
	Ross-on-Wye	3	57	40	or	bc	0·1
Wales	Rhyl	0·3	60	41			1·8
	Colwyn Bay	–	55	45	bc	bc.o	3·2
	Llandudno	–	60	38	bc	o	4·1
	Aberystwyth	2	52	47	r.o.c	c.of	1·7
	Tenby	–	58	41	o.bc	bc	2·8
	Swansea	1	58	46	c.bc	bc	1·2
England, E.	Cromer	3	63	42	b.bcm	m.o.cr	5·0
	Lowestoft	–	52	42	of.c	c.o.c	1·7
	Felixstowe	1	50	42	bc.c	bc.c	1·5
	Walton-on-Naze	2	51	43	cp	c.bc.c	2·6
	Southend-on-Sea	3	56	46	o	o.c.o	1·7

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	2	55	46	od.o	of.oz	0·0
	Margate	1	56	46	c	bc	1·2
	Ramsgate	2	54	45	o	om.c	0·0
	Folkestone	?	49	45	f	f	0·0
	Hastings	2	51	46	fd.	o.cf	0·8
	Bexhill-on-Sea	1	?	?	om	om	2·1
	Eastbourne	1	51	45	o	o.bcf	0·6
	Seaford	3	53	46	m	m	0·0
	Brighton	4	56	47	or.o	o.c.om	1·1
	Worthing	4	52	47	m	o	0·9
	Littlehampton	3	51	*	gr.o	c.b.bc.o	1·1
	Bognor	2	52	46	od	bc.c	1·4
	Southsea	3	56	46	or.o	o	0·0
	Bournemouth	3	56	46	c	bc.o	0·8
England, S.W.	Weymouth	–	55	47	m.o.bc	bcm	0·7
	Torquay	5	55	47	od	p.c.o	0·1
	Paignton						
	Falmouth	1	58	47	c.o	bc.b.o	4·4
	Penzance	0·3	59	48	o.bc	bc.o	3·8
	Newquay	Trace	54	46	of.o	bo.of	3·5
	Ilfracombe	2	52	46	c.of	o	0·0
	Weston-super-Mare	3	52	47	o.c	b.bc.c	0·2

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min. (24 hours ended 9 a.m. To-day)	Temperature. Min. on Grass. (24 hours ended 9 a.m. To-day)	Rainfall. (24 hours ended 9 a.m. To-day)	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	88	94	0·5	57	43	40	1	o	om	omr
City (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	77	92	0·1	58	47	41	1	o	o	omr
Camden Sq. (Brit. Rainfall)	81	100	0·0	55	43	40	0·3	f.ogm	o	*
Hampstead (Reservoir)	*	96	0·0	54	39	30	1	om	om	or
Richmond Park	*	*	0·1							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

	Vertical Component of Solar Radiation per square centimetre during yesterday. Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	414 Joules	9·3 Milliwatts.	27 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain Fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	0·3	55	46	42	c.b	bc.	c.op.	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	–	58	39	33	c.f.	fc	c.o	1·1
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	1	57	53	40	om	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

25th & 26th March, 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5·48 / 5·45	11·59 / 11·59	6·11 / 6·13
Greenwich	5·54 / 5·52	12·6 / 12·6	6·18 / 6·20
Wick	6·4 / 6·1	12·18 / 12·18	6·33 / 6·36
Valencia	6·35 / 6·33	12·49 / 12·49	6·59 / 7·1

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 63° at Cromer and Nottingham, but remained below 45° in the north. Rain was general, but mostly light. Sunshine ranged from none in several places to 6 hours at Spurn Head and Skegness.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibar

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 85. Friday, 26th March, 1915.

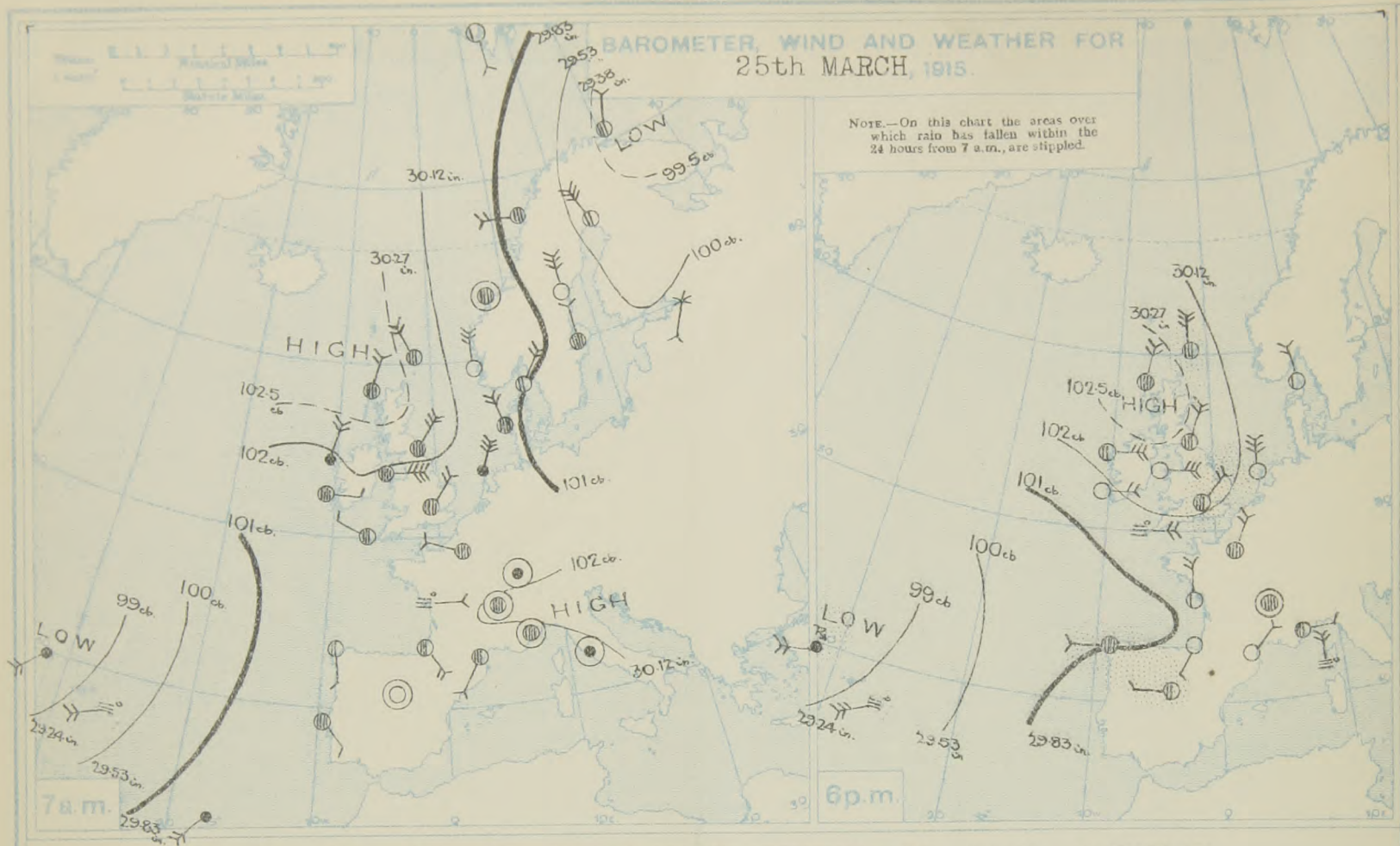
Date.	Stations.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0-12.	Weather.	This Morning 7 a.m., G.M.T.: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 hours: Rainfall. Millimetres.	Temp.: Max.	Temp.: Min.	Weather: Morning	Weather: Afternoon.	Weather: Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F							°F.	°F.				Hours.
British Islands.	Lerwick ...	1022.2	31	NNW	5	c	1018.9	0	33	-2	N	6	N	bcq	5	2	36	27	cm	opsq	bcqsp	*
	Deerness ...	1025.0	33	NW	5	ophs	1019.3	*	32	-3	NNE	6	NE	cpsc.	4	1	36	29	c.o	ophs	o.bcpshc	0.0
	Stornoway ...	1029.0	37	NNE	4	o	1023.6	-2	32	-3	NNE	4	-	c	4	—	39	31	o	o	o.c	0.0
	Castlebay (Barra Isd.)	1027.4	38	N	4	bc	1022.4	-2	37	0	NNE	4	N	c	4	-	42	36	bc	bc	bc.	9.8
	Glasgow ...	1025.7	41	NE	1	c	1021.2	-3	30	-3	NW	1	N	b	*	—	43	28	b.bc.c	c.bc.c	c.bc.b.	9.1
	Eskdalemuir ...	1025.9	35	NNE	3	c	1020.4	-2	28	-4	NE	1	NE	b	*	—	40	27	o	o.c	o.c.o	5.4
	Malin Head ...	1025.1	40	E	4	bc	1021.0	-3	36	-3	NNE	4	NE	cv	4	—	46	35	bc	bcq	cg	7.8
	Blacksod Point	1022.7	42	E	5	bc	1019.5	-2	36	-7	E	5	E	cm	4	—	48	33	cm	bc	bcg.bc	*
	Valencia ...	1015.6	51	E	3	b	1013.5	-1	41	-7	ENE	4	-	c	4	—	54	41	c	bcg	c.b.	2.3
	Roche's Point	1020.5	45	E	5	o	1016.6	*	40	-6	E	4	-	o	4	—	54	40	o.bc	o.c.o	o	*
	Birr Castle ...	1022.2	42	SE	3	c	1018.7	*	36	-6	NE	1	-	o	*	—	46	30	o.c	c	c.oc	3.0
	Donaghadee ...	1028.4	41	ESE	3	bc	1019.6	-2	35	-3	SW	3	SW	cgm	2	—	45	34	bc	bc	bc.bcm	*
	Liverpool (Bidston)	1023.2	42	ENE	3	o	1020.1	-1	34	-4	ENE	2	SE	c	2	1	44	33	oc	bc.o	b.bc	2.5
	Holyhead ...	1022.7	44	E	5	b	1019.4	-2	36	-5	E	4	E	om	3	—	44	35	o.c.bc.c	c.bc.c.b	bc.c.o	7.8
	Pembroke (St. Ann's)	1021.1	43	E	4	o	1017.2	-2	33	-13	E	4	E	cm	3	—	52	33	o	cq	om.	0.2
	Scilly (St. Mary's)	1017.3	50	E	4	om	1010.8	-2	43	-5	ESE	6	E	om.	6	—	53	42	cm	cm	om.	1.6
	Falmouth ...	1018.6	44	ENE	2	o	1012.5	-3	41	-7	E	4	E	bc	4	—	54	41	o	o.c.o	o.bc.	1.3
	Jersey (St. Aubin)	1017.2	45	ENE	4	omdp	1013.0	*	37	-10	E	6	-	b	4	0.2	50	36	o	omdp	o.b	0.0
	Portland Bill ...	1018.8	43	ENE	5	c	1015.3	-1	37	-9	ENE	6	NE	bc.	5	1	48	36	odm	o.bc	bc.	*
	Dungeness ...	1019.2	40	NNE	5	c	1016.4	-3	38	-10	NE	2	NE	c	2	—	49	33	f.op	o.bc	bcc.c	*
	Dover ...	1019.9	39	NNW	6	bc	1016.2	-2	39	-7	N	3	NE	c	2	1	46	34	m.o.c	c.bc	bc.bcc.c	1.1
	Wick ...	1025.8	34	NNW	4	o	1019.6	-3	31	-5	NNW	4	-	c	4	0.2	37	29	om	omph.	o.cmps.	*
	Nairn ...	1027.1	36	N	2	cg	1021.0	*	32	-2	N	1	-	bc	2	0.3	39	30	bc.c.o	c.bc	u.sp.c	0.1
	Aberdeen ...	1025.5	36	NW	4	o	1019.2	-2	29	-5	NW	3	-	b	3	2	41	27	bc.o	o	os.b.	1.0
	Leith ...	1025.4	40	ENE	2	o	1020.0	-1	34	-3	NW	3	-	bc	*	—	44	33	b	bc.c	o	*
	Tynemouth ...	1024.1	40	NNE	4	c	1018.7	-4	33	-5	NW	3	N	c	4	—	42	33	bc	c	c	*
	Spurn Head ...	1022.9	41	NNE	5	bc	1017.2	-2	35	-3	NNE	6	-	cf	5	1	45	32	or.bcq	bcq	bcq	5.2
	Yarmouth ...	1020.9	41	N	3	bc	1016.2	-4	37	-8	NW	2	NW	c	1	2	45	36	or	o.bc	bc.c	3.8
	Clacton-on-Sea	1019.5	41	NNE	4	bc	1016.2	-3	35	-11	N	2	N	c	2	2	46	32	ogdr	og.c.bc	bc	1.0
	Nottingham ...	1022.4	41	NE	4	b	1018.7	*	34	-3	N	3	N	c	*	1	44	34	r.o	o.c.b	b.bc	2.9
	Bath ...	1020.7	42	E	3	o	1017.7	*	31	-16	E	3	SE	b	*	0.3	48	30	dg.o	og	o.c.bc.b.	0.0
	London (Kew Obsy.)	1021.5	41	NE	3	c	1017.4	-2	34	-12	NE	1	-	omc	*	1	46	31	om.omr.c	o.c	c.bc.bm.	0.1
Iceland, Faeroe, &c.	Spitsbergen ...												*		*	*						
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö ...															*						
	Bodö ...																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'iania Fjord)																					
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby ...														*							
	Karlstad ...														*							
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1016.8	40	N	6	b	1013.6	-3	34	-5	NNW	3	-	c	2	1	41	34				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1018.3	41	NNE	7	bc	1015.3	-2	38	-8	NNE	5	*	c	4	2	48	37				
	La Hève ...	1016.7	37	NE	4	r	1016.4	*	32	-13	NE	3	*	b	1	10	45	32				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1016.2	50	NE	1	o	1009.0	-4	43	-5	E	4	*	o	5	—	55	43				
	Rochefort (Ile d'Aix)	1014.1	52	N	3	b	1005.3	-7	56	+9	E	5	*	o	*	—	57	47				
	Biarritz ...	1011.9	59	SW	1	b	1000.4	-4	61	+9	SSE	2	*	o	2	—	63	52				
	Paris ...	1016.0	41	NNE	5	o	1014.4	-3	32	-16	NE	2	-	b	*	—	55	30				
	Belfort ...							*					*		*							
	Lyons ...	1014.4	52	-	0	o	1011.4	*	41	-6	N	4	*	o	*	—	62	38				
	Nice ...	1012.8	50	E	1	c	1006.9	-3	43	-6	E	1	*	b	2	—	59	43				
	Perpignan ..	?1014.1	54	NE	2	b	1007.8	-5	52	+7	NE	1	NE	r	*	—	63	45				
	Sanguinaire ...	1013.0	55	N	4	m	1007.9	*	51	-2	E	2	*	m	2	—	59	46				
Southern Europe.	Corunna (7 a.m.)	1010.0	57	W	2	o	997.5	-3	55	-2	SSW	3	-	o	3	5	66	55				
	Madrid (8 a.m.)	1013.5	63	W	1	bc	1003.3	-7	48	-2	SSE	1	-	r	*	7	64	48				
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	991.3	*	SW	6	bc							*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93
25	0.98	50	1.97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No warnings issued.

Western Channel and Bay.

0 a, b, 1, 2 a, b, 3, 4 a, b, 5, 6 a, b — Wind between North and East, fresh or strong at times locally; changeable, fair or fine to dull, rain or snow showers in places; cold, with night frost.

7 a, b, 8 a, b — Moderate to strong Easterly to South-Easterly winds; changeable, fair or fine to dull, rain or snow showers in places; cold, with night frost.

9 a, b — North-Easterly to Easterly breezes, fresh at times; changeable, fair or fine to dull, rain or snow showers in places; cold, with night frost.

10 a, b — Same as Nos. 7 and 8.

11 — Easterly and South-Easterly winds, strong to a gale; rough to high sea; dull, some rain and sleet; cold.

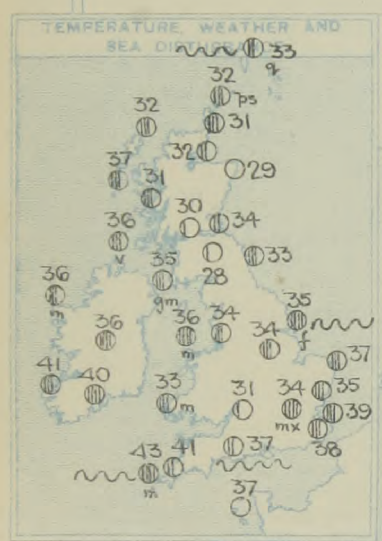
FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 26th MARCH, 1915.

GENERAL INFERENCE.

An extensive depression spreading up across the Bay will occasion more windy conditions over the southern parts of the Kingdom.



EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ½ clouded. ◔ sky ¼ clouded. ◕ sky ¾ clouded. ◍ overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊤̄, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ~~.

Scale 1 : 8 x 10⁷
Nautical Miles 0 1 2 3 4 5 300
Statute Miles 0 1 2 3 4 5 300

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MARCH.

DAILY WEATHER REPORT. Friday, 26th March, 1915.

REPORTS FOR YESTERDAY.

25th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1008·6	14	N	4	b	1018·1	+8	−13	−5	S	2	*	b	*	*	0	−15
Vardö	992·0	21	NNE	2	S	994·1	+2	23	+5	NNE	2	–	c	w	*	21	12
Bodö	1001·0	28	NNE	6	c	1005·2	0	27	−3	W	3	–	c	2	–	34	21
Christiansund	1009·7	34	W	5	o	1015·9	+1	30	−4	–	0	–	o	4	10	34	30
Skudesnaes	1013·3	34	N	4	b	1016·4	+1	34	−5	N	5	–	b	2	–	39	32
Faerder	1007·5	36	WSW	2	m	1011·7	+2	32	−4	N	6	–	b	2	Trace	36	30
The Skaw	1008·8	39	WSW	1	m	1009·9	+3	36	0	NE	4	–	bc	3	7	41	36
Blaavands Huk	1012·0	41	WSW	3	r	1010·3	−3	37	−4	NNW	4	–	o	4	2	39	36
Petrograd	1011·9	30	SW	2	o	1000·7	+4	24		SW	2	–	S	*	2	36	10
Belfort	1019·9	50	WSW	3	c	1018·0	*	43		–	0	*	r	*	4	67	41
Lisbon	1015·3	63	SSW	3	o	1015·1	0	57	+5	SE	1	–	o	6	–	66	57
Rome	1021·6	55	W	1	o	1019·8	+1	52	0	W	1	*	r	*	2	59	52
Horta	.	.	.	.	.	988·7	+1	58	−2	SW	5	*	o	4	26	63	54

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	8	49	31	b	b.	9·4
	Banff	–	39	35	o	o	0·2
	St. Andrews	5	43	35	*	*	6·1
Eng., N.E.	Harrogate	3	43	33	o.c	bc.o	3·4
	Scarborough	*					
	Skegness	3	44	37	r.o.b.	bc	5·2
Eng., N.W.	Morecambe	2	44	39	bc.b.	b.bc.	6·3
	Blackpool	4	50	36	og.c	bc.c	5·2
	Southport	6	47	37	o.c.bc	bc	4·5
Midlands.	Buxton	3	49	33	c	c	3·0
	Leamington Spa	1	43	39	cp.	c.bc.	0·8
	Malvern	–	41	38	o.c	bc.	0·7
	Ross-on-Wye	1	51	39	om	bc.	0·2
Wales.	Rhyl	2	44	37	c	c	2·5
	Colwyn Bay	2	44	36	p.c	c.bc.	4·8
	Llandudno	2	45	31	bc	bc.	4·1
	Aberystwyth	–	45	43	o.c.o	c.o	1·7
	Tenby	1	50	41	c.op	o	0·1
	Swansea	0·3	49	44	od.c	c	0·0
England, E.	Cromer	5	51	36	r.o.c	bc.	3·2
	Lowestoft	7	43	37	c.or	or.c.bc	3·6
	Felixstowe	3	43	39	or	bc.c	1·7
	Walton-on-Naze	2	42	37	o.cr.c	c.bc.	1·3
	Southend-on-Sea	7	43	41	r	r.bc.	0·0

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	2	46	38	ogmp.o	o.or	0·0
	Margate	2	43	41	or	bc	2·1
	Ramsgate	3	42	36	or	r.o.bc	1·8
	Folkestone	3	43	38	o.bc	bc.	1·1
	Hastings	1	49	39	op.c.	o.bc.	0·0
	Bexhill-on-Sea	1	44	37	o	o	0·0
	Eastbourne	2	50	41	om	o.c	0·0
	Seaford	0·3	50	40	r	o	0·2
	Brighton	1	48	?	o.or.o	o.c	0·0
	Worthing	1	49	41	o	o	0·0
	Littlehampton	1	49	*	o	o	0·0
	Bognor	1	48	41	od	o.c.o.	0·1
	Southsea	1	49	?	c.o	o	0·0
	Bournemouth	–	49	42	o	o	0·0
England, S.W.	Weymouth	–	49	41	od.c	c	0·0
	Torquay	0·3	53	43	c.o	d.c.o.	0·3
	Paignton	1	55	42	c	c	0·1
	Falmouth	–	54	44	o	o.c.o	1·3
	Penzance	–	55	49	c	o	1·1
	Newquay	–	51	45	o.bc.om	om	1·6
	Ilfracombe	1	47	42	sp.o.c	o	0·0
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature (24 hours ended 9 a.m. To-day). In Screen. Max.	In Screen. Min.	Min. on Grass.	Rainfall.	Weather. Forenoon.	Afternoon.	Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	77	75	0·0	44	32	22	3	or.o	o.c.bc	bc.b.o
City (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			0·1							
Camden Sq. (Brit. Rainfall)	78	78	0·1	44	30	25	3	or.o	c.o	*
Hampstead (Reservoir)	*	78	0·1	41	29	21	2	or.c	bc	bcc
Richmond Park	*	*	0·1							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

Vertical Component of Solar Radiation per square centimetre during Yesterday.

	Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	238 Joules	5·3 Milliwatts.	35 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	In Screen. Min.	Night Min. on Grass.	Weather. Night.	Forenoon.	Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.	2	47	34	34	or	or.b	bc	4·2
Manchester ,,	1	52	38	*	or	op.b.bc	c.o	3·1
Birmingham ,,	1	53	36	37	or	r.o	o.c	0·7
Oxford to 9 p.m.	*	51	35	24	o.or.o	o	o.c	*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	2	57	41	40	o.og.or	or.o	c.o.c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

26th & 27th March 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5·45	11·59	6·13
	5·42	11·59	6·15
Greenwich	5·52	12·6	6·20
	5·50	12·6	6·22
Wick	6·1	12·18	6·36
	5·58	12·18	6·38
Valencia	6·32	12·19	7·1
	6·31	12·19	7·3

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 50° in the south-west, but remained below 40° in Scotland. There were slight local rain, hail or snow showers. Sunshine was very variable, none in several places, more than 9 hours in Western Scotland.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 86

Saturday, 27th March 1915.

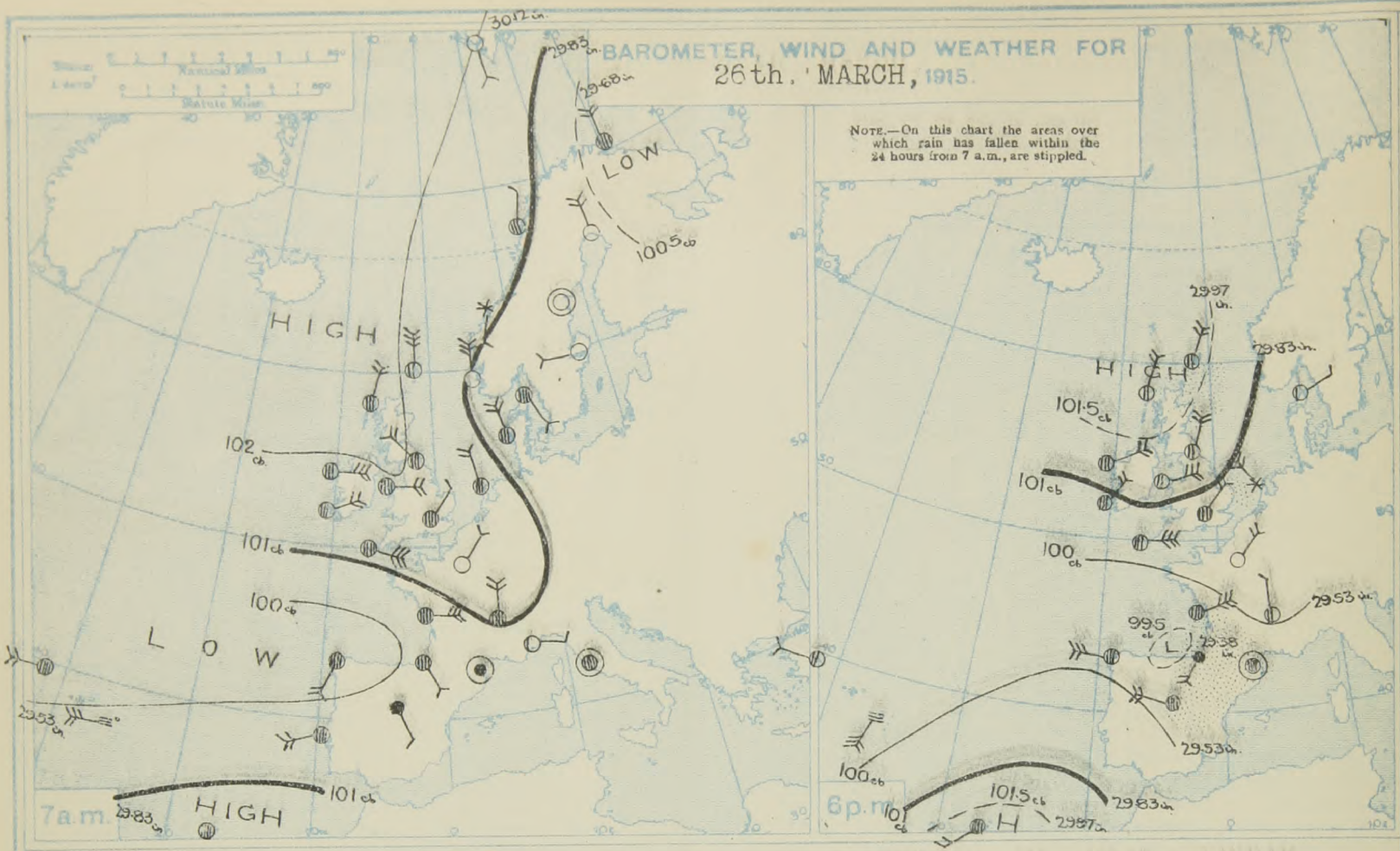
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1015.7	35	NNE	4	bcq	1014.6	-1	32	-1	NE	3	NE	c	?	6	38	30	cq	bcq,sp	csp	*
	Deerness ...	1015.9	35	N	5	cph3	1015.6	*	34	+2	N	4	NE	b	3	1	38	29	cpshx	cpsh	c.bc.bfnx	5.6
	Stornoway ...	1019.8	32	NNE	3	bcps	1016.9	-1	33	+1	NNE	4	-	bc	4	3	38	31	cps	bcps	bcpsq	6.6
	Castlebay (Barra Isd.)	1017.7	37	N	3	b	1015.8	0	37	0	N	2	-	b	2	-	40	31	c.bc	c.b	b.sp.b	7.1
	Glasgow ...	1015.9	36	NE	3	c	1014.5	0	30	0	NNE	1	-	b	*	-	41	27	bc.c.bc	c.bc.c	c.bc.bc	7.2
	Eskdalemuir ...	1014.7	32	NE	4	b	1013.0	0	29	+1	NNE	3	NE	bc	*	-	38	25	bce	cpsq,b	b.bc.bc	7.7
	Malin Head ...	1015.5	37	NE	4	bcq	1016.4	0	35	-1	ENE	2	NE	bc	2	-	40	34	bcq	bcq	bcx	3.4
	Blacksod Point	1013.2	37	ENE	4	c	1013.3	0	32	-4	E	4	SE	bcq	2	-	48	31	cm	bc	bc.bf	*
	Valencia ...	1009.5	41	NE	3	c	1008.8	0	35	-6	ENE	2	-	c	3	-	45	33	bc	cq	bcq	5.6
	Roche's Point	1011.3	39	ENE	4	c	1009.9	*	36	-4	ENE	3	E	c	3	-	43	35	o.c	o.c	cq	*
	Birr Castle ...	1012.7	38	NE	2	c	1012.4	*	29	-7	NE	1	-	b	*	2	42	28	c	c	cpk.b	0.4
	Donaghadee ...	1013.8	38	ENE	3	bcm	1013.2	-1	35	0	ENE	4	E	b	3	-	40	33	cm	bcm	bcm.bm	*
	Liverpool (Bidston)	1012.4	36	NE	2	bc	1011.5	0	29	-5	NE	1	-	b	1	-	40	28	bcm.	bc	bc.	1.6
	Holyhead ...	1012.5	39	ENE	5	bc	1010.8	0	35	-1	ENE	4	NE	bc	3	-	42	34	o.c.bc	c.bc.c.b	b.o.bx.c	5.0
	Pembroke (St. Ann's)	1009.8	39	ENE	5	c	1009.4	?	31	-2	NE	3	-	bcm	3	-	45	30	bcq	cq	bm.	7.5
	Scilly (St. Mary's)	1004.4	42	E	6	cm	1003.7	-1	37	-6	ENE	6	W	cm	6	-	51	37	cm	cm	cm.	3.6
	Falmouth ...	1006.2	42	NE	4	c	1004.7	+1	36	-5	NE	4	E	bc	4	-	43	36	c	c.bc.c	c.bc	2.2
	Jersey (St. Aubin)	1004.4	43	ENE	6	bcq	1003.6	*	38	+1	E	5	-	bc	4	-	45	36	bc	bc	b	11.0
	Portland Bill ...	1007.2	41	ENE	5	bc	1006.4	+1	34	-3	ENE	5	-	bc	4	-	44	32	bc	c.bc	bc.	*
	Dungeness ...	1008.7	39	NNE	3	c	1006.7	+2	37	-1	NE	4	NE	c	4	-	44	37	c.o.c	c.o.c	bc	*
	Dover	1009.4	37	NNE	4	c	1006.7	-1	38	-1	N	5	N	b	6	0.2	44	32	b.bc.c	c	bcsp.b	1.8
	Wick	1016.2	35	NNE	4	bc	1014.8	0	35	+4	NNE	4	-	bc	4	2	38	30	cmq,sp	bcq,sp	bc.c	*
	Nairn	1017.2	36	NNE	2	bc	1015.2	*	33	+1	N	2	-	bc	3	0.4	40	30	csp.bc	bcq	sp.bc	6.7
	Aberdeen ...	1015.2	34	N	3	b	1013.7	0	30	+1	NW	2	-	bc	3	2	41	28	bcshp	bcshp	bcsp	7.9
	Leith	1015.0	38	NE	2	bc	1013.1	0	34	0	NNW	3	N	b	*	-	40	32	bc.c	c.bcps	bc.b	*
	Tynemouth ...	1012.4	38	NNE	4	bc	1011.0	-1	31	-2	NW	2	NE	c	4	-	39	30	bcps	bc	osp.	*
	Spurn Head ...	1012.4	34	E	6	s	1010.4	0	32	-3	NNE	4	-	bcq,rsp	5	3	39	29	o.csq	cq.o	bcq,sp	4.3
	Yarmouth ...	1010.2	38	N	3	bc	1009.9	0	35	-2	N	3	N	bc.	2	1	43	34	c.bcps	bc	bc.b.bc	5.5
	Clacton-on Sea	1009.4	38	NE	3	csp	1007.1	0	32	-3	N	3	N	bcx.	1	-	40	30	c.o	o.cps	c.bc.bx	0.5
	Nottingham ...	1011.5	35	NE	2	b	1010.0	*	30	-4	N	3	-	bm	*	Trace	41	28	c.o	csp.b	b	2.7
	Bath	1009.9	39	E	3	c	1009.4	*	29	-2	E	3	NW	bc.	*	-	43	27	c.o.b.bc	bc.c.o	c.bc.b	3.0
	London (Kew Obsy.)	1009.7	38	NE	3	o	1008.5	0	30	-4	NNE	2	NW	bcmx	*	-	42	28	omxc.o	o.bc.o	o.bc.bcm	1.2
ICELAND, FAERÖE, &c.	Spitsbergen ...												*		*	*						
	Isafjord												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'tania Fjord)†	1008.3	32	W	1	bc	1009.5	+1	25	-3	NNE	6	-	b	2	-	34	25				
	The Scaw (Skagen)																					
	Blaavands Huk																					
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1008.2	32	NW	4	s	1005.0	0	36	+2	N	2	-	bc	2	1	39	32				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1008.7	38	NE	5	c	1005.7	0	37	-1	NE	6	*	bc	5	2	45	34				
	La Hève	1005.2	38	NE	3	b	1003.8	*	32	0	ENE	3	*	c	3	-	54	32				
	Ushant	999.7	43	E	7	o	998.6	*	41		E	7	*	o	7	-	46	36				
	Brest (St. Mathieu)	1000.3	?	ENE	1	o	999.9	0	43	0	E	5	*	o	?	-	52	39				
	Rochefort (Ile d'Aix)	996.0	52	ENE	6	o	997.1	0	41	-15	ENE	5	*	r	*	5	59	41				
	Biarritz	995.9	54	SW	8	r	999.4	+2	54	-7	WSW	3	*	o	3	22	66	52				
	Paris	1003.0	41	ENE	2	b	1003.3	-1	34	+2	NE	4	W	b	*	-	50	30				
	Belfort							*					*		*							
	Lyons	1002.0	42	-	0	bc	999.3	*	41	0	-	0	*	r	*	2	47	?				
	Nice												*									
	Perpignan ..	996.2	54	-	0	o	998.9	+3	54	+2	NW	2	NW	o	*	6	59	50				
	Sanguinaire † ...	1001.2	54	N	2	o	995.7	*	52	+1	E	2	*	r	3	-	64	46				
SOUTHERN EUROPE.	Corunna (7 a.m.)	999.9	59	W	5	c	1000.7	0	54	-1	SSW	3	-	o	2	-	61	54				
	Madrid (8 a.m.)	998.7	52	WNW	4	o	1007.9	+3	48	0	W	2	W	c	*	10	54	43				
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	996.8	*	SW	5	o							*									
	Madeira (Funchal)	1016.4	64	SW	3	o	1015.7	0	63		W	4	W	o	3	-	68	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0.04	26	1.02
2	0.08	27	1.06
3	0.12	28	1.10
4	0.16	29	1.14
5	0.20	30	1.18
6	0.24	31	1.22
7	0.28	32	1.26
8	0.32	33	1.30
9	0.35	34	1.34
10	0.39	35	1.38
11	0.43	36	1.42
12	0.47	37	1.46
13	0.51	38	1.50
14	0.55	39	1.54
15	0.59	40	1.58
16	0.63	41	1.61
17	0.67	42	1.65
18	0.71	43	1.69
19	0.75	44	1.73
20	0.79	45	1.77
21	0.83	46	1.81
22	0.87	47	1.85
23	0.91	48	1.89
24	0.95	49	1.93
25	0.98	50	1.97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones hoisted at 11.20 a.m.

0 a, 0 b, 1, 2 a, 2 b, 3, 4 a, 4 b, 5, 6 a, 6 b, 7 a, 7 b, 8 a, 8 b, 9 a, 9 b, 10 a, 10 b, 11 — Light to moderate breezes between North and East; generally fair to fine, morning mist; cold, with frost in night.

Western Channel and Bay — Northern part, Easterly winds strong to a gale; southern part, Westerly strong winds; sea rough; cloudy to dull, some rain or sleet; cold.

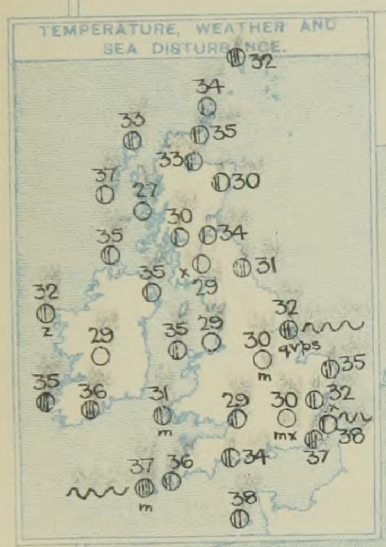
FURTHER OUTLOOK.

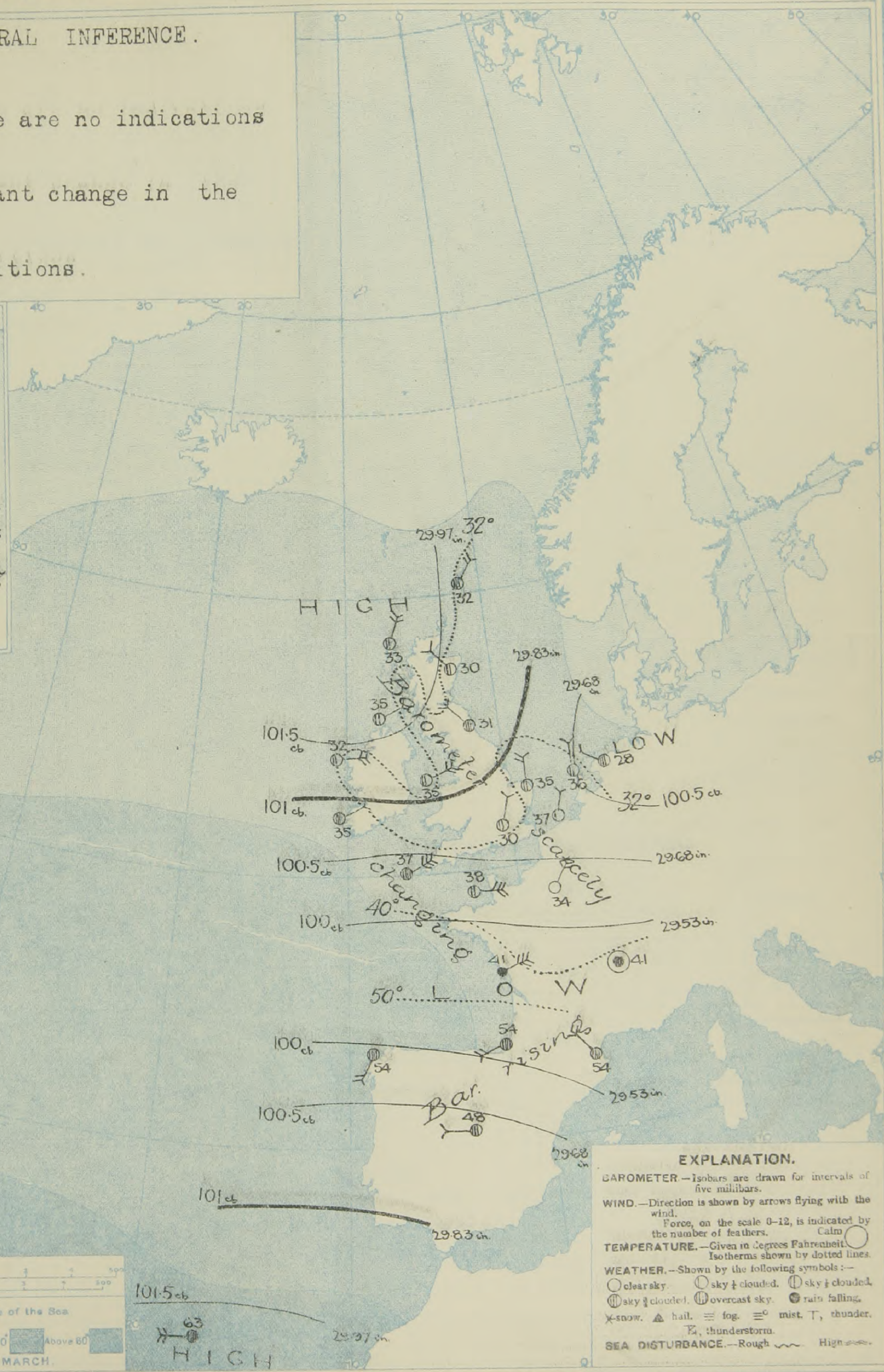
R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m. SATURDAY, 27th MARCH, 1915.

GENERAL INFERENCE.

There are no indications of an important change in the general conditions.





DAILY WEATHER REPORT. Saturday, 27th March, 1915.

REPORTS FOR YESTERDAY.

26th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.						°F.	°F								
Spitsbergen	1019·5	-6	S	2	bc	1020·0	0	-13		S	2	*	b	*	*	0	-15
Vardö	998·1	23	NNE	4	bc	1003·5	+4	23	0	N	4	–	0	5	*	25	14
Bodö	994·6	25	NNE	4	c	1010·9	+2	27	0	NNE	1	–	c	1	–	30	19
Christiansund	1010·6	32	SW	1	o	1012·0	0	30	0	SSW	2	–	c	4	10	34	27
Skudesnæs	1014·6	34	NNW	4	o	1009·9	-2	28	-6	N	5	–	o	2	?	39	27
Foerder	1011·3	34	N	1	o	1008·4	0	28	-4	SW	4	–	o	2	–	30	28
The Skaw	1012·0	36	N	3	o	1009·4	-2	34	-2	SSE	2	–	o	2	–	29	28
Blaavands Huk	1014·9	36	N	4	o	1008·6	-3	32	-5	NNW	4	–	c	3	Trace	41	30
Helder	1002·0	19	NW	4	c	1006·1	+2	9	-7	N	4	–	b	*	–	25	3
Hernösand	1006·7	32	N	2	b	1009·1	+1	21	-6	–	0	–	b	*	–	36	14
Stockholm	1009·2	30	N	2	b	1008·2	?	25	-7	W	2	–	b	*	–	34	21
Visby	1009·2	28	NE	6	bc	1008·3	0	30	-2	NNE	2	–	b	*	–	34	25
Karlstad	1015·9	32	–	0	o	1009·2	0	19	-9	–	0	–	c	*	–	37	12
Lisbon	1008·6	59	SSE	5	o	1003·0	+2	57		WSW	4	–	o	?	18	61	55
Rome	1013·6	54	S	1	o	1008·0	-2	52		SW	1	–	o	*	–	55	52
Horta						1012·8	+1	59		SW	5	*	c	*	–	61	55
Funchal	1012·3	64	SW	4	r	1013·9		63		?	?	?	o	?	–	64	63

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban						
	Banff	3	40	30	s.bc.	shp.bc.	3·7
	St. Andrews	–	40	31	*	*	7·4
Eng. N.E.	Harrogate	–	38	31	b.bc.	bc.c.	4·8
	Scarborough	*					
	Skegness	1	41	32	bc.o	o.bc.	5·2
Eng. N.W.	Morecambe	–	42	32	bc	bc.b.	3·4
	Blackpool	–	40	30	c.bc	bc.b	3·7
	Southport	–	46	30	c.bc.c	c.bc.b.	2·4
Midlands	Buxton	–	40	28	c	bc	2·1
	Leamington Spa	–	41	29	c.bc.	c.bc.	1·7
	Malvern	–	39	31	bc	bc.	2·5
	Ross-on-Wye	–	40	28	om	bcz	1·1
Wales	Rhyl	–	41	29	bc	bc.	6·0
	Colwyn Bay	–	40	31	b.bc	bc.	9·5
	Llandudno	–	44	26	b	b	8·4
	Aberystwyth	–	42	34	o.c	c.bc.	8·0
	Tenby	–	44	32	b	b.	8·8
	Swansea	–	44	34	b.bc	bc.	7·5
England E.	Cromer	1	41	34	o.cs	c	3·6
	Lowestoft	1	43	33	c.ops	c.ops.c	4·7
	Felixstowe	1	40	31	bc.c	cwpsh	0·2
	Walton-on-Naze	1	39	30	c	ch.bc.c	0·0
	Southend-on-Sea	–	42	31	c	c.bc	0·5

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	–	43	29	bcz.o.c	c.o.c.o.c	2·7
	Margate	1	41	37	bc	o	2·3
	Ramsgate	–	45	35	c	c	3·3
	Folkestone	1	42	35	o.bc	bc	2·1
	Hastings	–	43	32	c.o	bc.c	2·0
	Bexhill-on-Sea	–	49	40	bc.o	o.c.bc.	2·9
	Eastbourne	–	44	31	o.b	o.bc.	3·4
	Seaford	–	46	31	bc	c	5·2
	Brighton	–	46	32	bc.c.bc	bc.c.o.c	5·1
	Worthing	–	45	32	b	o	5·6
	Littlehampton	–	44	*	g.bc.b.	b.bc.c.	6·3
	Bognor	–	44	31	b	bc.c.o	7·9
	Southsea	–	45	32	b	bc.c	7·1
	Bournemouth	–	45	28	b.bc	c.o	5·7
England, S.W.	Weymouth	–	45	32	b	bcz	7·2
	Torquay	–	44	38	bc.	bc.c.o	3·3
	Paignton	–	44	38	c.bc	bc.c	2·5
	Falmouth	–	43	40	c	c.bc.c.	2·2
	Penzance	–	44	42	o	c	1·4
	Newquay	–	45	37	bv	bv.c	9·0
	Ilfracombe	–	42	?	bc.b.	b.bc.	8·8
	Weston-super-Mare	–	42	32	b	bc.	4·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	68	68	0·2	42	28	20	–	o	o.bc	bc.bc
City (Bunhill Row)	*	*	0·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	63	74	0·5	43	29	26	–	bc.o	bc	bc.b
Camden Sq. (Brit. Rainfall)	64	72	1·4	45	27	23	Trace	o.c	c.bc	*
Hampstead (Reservoir)	*	69	1·8	40	25	17	–	c	c	bcx
Richmond Park	*	*	0·9							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	66	73	0·4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
590 Joules	13·1 Milliwatts.	43 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.								*
Darwen to 9 p.m.								
Manchester ,,	–	40	33	*	o	o	o.c.bc.b	0·7
Birmingham ,,	–	39	31	24	c	c	c.b	1·2
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	–	43	33	28	b.bc.o	o.c	c.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

27th & 28th March 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.42	11.59	6.15
	5.39	11.58	6.17
Greenwich	5.50	12.6	6.22
	5.47	12.5	6.23
Wick	5.58	12.18	6.38
	5.55	12.17	6.40
Valencia	6.31	12.47	7.3
	6.28	12.46	7.4

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 45° in most districts. Hail and snow showers occurred in the north and east. Fine weather ruled, with bright sunshine ranging up to 9½ hours at Colwyn Bay, and 11 hours at Jersey.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 87 (Sunday, 28th March 1915.)

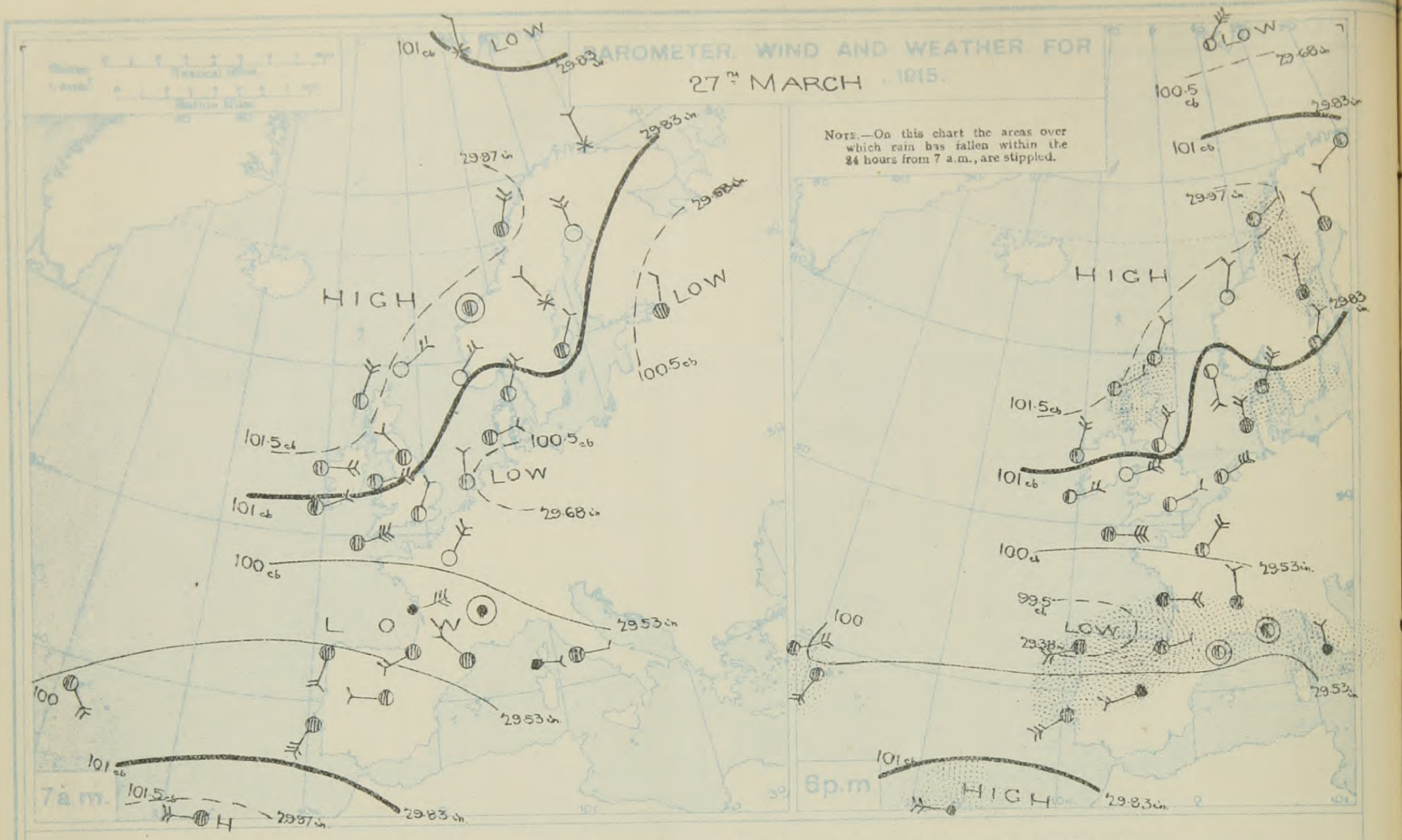
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1013.2	38	NNE	2	bc	1013.5	0	34	+2	NE	3	NE	c	2	4	39	31	bcsp	besp	bcsp	*
	Deerness ...	1013.8	36	N	4	bc	1013.5	*	34	0	N	3	N	bc	2	2	40	32	b.beps	cphs.be	be.b.bcx	8.9
	Stornoway ...	1015.1	35	NE	1	bcps	1014.9	+1	33	0	NNE	2	NE	bc	2	4	?40	31	bc	bcps	bcv	8.4
	Castlebay (Barra Isd.)	1013.6	39	N	3	b	1013.9	0	37	0	N	2	–	b	2	–	42	35	b	b	b	10.7
	Glasgow ...	1013.0	34	E	2	b	1013.2	0	29	−1	–	0	–	b	*	0.1	42	26	b.bc	bps.bc	bc.bscy	9.3
	Eskdalemuir ...	1012.0	33	NE	3	b	1011.9	0	30	+1	NNE	3	–	b	*	Trace	39	23	c.osq	cps.b	b	10.0
	Malin Head ...	1012.7	39	N	1	b	1012.9	0	36	+1	E	2	NE	bcv	2	–	44	32	bcv	bc	bcv	10.7
	Blacksod Point	1010.9	39	NNE	4	c	1011.8	0	34	+2	NNE	2	–	b	1	–	42	30	bcsy	bc	bc.bf	*
	Valencia ...	1009.1	40	ENE	3	bc	1008.4	+1	34	−1	ENE	1	E	bzy	3	–	44	33	csy	c.b	c.b	4.4
	Roche's Point	1008.6	40	E	4	bc	1009.2	*	33	−3	ENE	3	E	bc	3	1	43	31	cps	c.bc	cps	*
	Birr Castle ...	1009.6	40	E	2	bc	1011.1	*	26	−3	E	1	–	bc	*	–	43	26	bc	bc	bcx	10.0
	Donaghadee ...	1010.8	39	ENE	3	cm	1011.8	+1	35	0	ENE	4	NE	bm	4	–	41	34	bcm	cpsm	bzy	*
	Liverpool (Bidston)	1009.2	38	NE	3	b	1010.1	0	30	+1	–	0	–	b	1	–	41	28	bm	bc	bxc	6.6
	Holyhead ...	1009.2	41	ENE	5	b	1010.4	+1	35	0	E	4	–	bps	3	–	43	34	bc	bc.cps	bcps.b	9.5
	Pembroke (St. Ann's)	1006.6	39	NE	2	bc	1008.5	+1	31	0	ENE	3	–	c	3	–	45	30	bcm	bc	bc	7.7
	Scilly (St. Mary's)	1002.7	40	E	6	om	1003.2	0	37	0	E	5	–	c	6	–	47	36	om	om	om.c	0.2
	Falmouth ...	1004.0	41	NE	4	o	1004.7	+2	34	−2	ENE	3	–	c	3	–	41	32	bc.c	c.o	o.c	0.8
	Jersey (St. Aubin)	1002.2	41	E	6	o	1001.3	*	38	0	E	6	–	bc	4	–	43	37	c.o	o	o.bc	1.6
	Portland Bill ...	1004.8	41	ENE	5	bc	1004.8	0	33	−1	NE	6	–	bc	4	–	42	32	bc	bc	bc.b	*
	Dungeness ...	1005.0	39	NE	5	c	1006.1	0	36	−1	NE	5	NE	c	4	–	43	34	bc	bc	bcv	*
	Dover ...	1006.3	36	NNE	5	bc	1007.2	+1	36	−2	NE	5	NE	c	6	–	43	32	b.bc.b	bcps.b	bcps.c	9.5
	Wick ...	1013.6	37	NE	4	bc	1013.4	+1	36	+1	NNW	3	–	c	3	0.2	40	32	bcps	bc	bcmph	*
	Nairn ...	1013.6	37	N	2	cm	1014.7	*	30	−3	NW	1	–	bc	2	1	42	27	bc	bcph	bcx	8.7
	Aberdeen ...	1012.8	35	NE	4	bc	1012.5	+1	31	+1	NW	3	–	bcsp	3	2	42	29	bchp	bc.chp	bc.bcsp	7.1
	Leith ...	1012.0	38	ENE	2	bc	1012.2	0	35	+1	NNW	2	–	b	*	–	43	32	b	b.bc	bc.c.o	*
	Tynemouth ...	1010.8	37	NNE	3	bc	1010.1	0	31	0	NNW	2	–	bc	3	2	43	29	bc	bc	bcps	*
	Spurn Head ...	1010.4	38	ENE	4	bc	1008.5	−2	32	0	E	5	–	bcv	5	–	43	30	bcq.b	bcpr	bcv	9.2
	Yarmouth ...	1008.3	38	NE	4	bcsp	1008.1	0	36	+1	NE	3	NE	bc	2	–	43	32	bcps	bcpsq	bc	?9.0
	Clacton-on-Sea	1006.2	38	ENE	4	bcv	1006.4	0	36	+4	ENE	4	E	bcvps	3	–	42	31	bc	bcv	bcvps	11.0
	Nottingham ...	1008.7	35	NE	4	b	1009.1	*	30	0	NNE	3	–	b	*	0.4	42	27	bc.os	cps.b	b	8.7
	Bath ...	1006.8	40	E	3	bc	1008.4	*	29	0	E	2	–	bc	*	–	44	27	c.bc.b	b.bc.c	bc.b	8.2
	London (Kew Obsy.)	1006.3	39	ENE	3	bc	1007.3	+2	31	+1	NE	3	NW	bcx	*	–	42	29	b.bc.c	bc.cpsq.b	bc.bmibx	8.0
Iceland, Faeroe, &c.	Spitsbergen ...	1001.3	1	NE	6	b	1003.8	−2	−16	0	NE	2	*	b	*	*	1	−22				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*		*	*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...	1006.3	39	ENE	3	bc							*		*	*	*	*				
Northern Europe.	Vardö ...	1010.3	18	WSW	2	bc	999.0	−7	18	−3	SW	5	–	b	2	*	23	18				
	Bodö ...	1015.5	25	ENE	1	bc	1008.0	−5	23	+2	NNE	2	–	s	2	?	27	19				
	Christiansund	1013.6	27	NNE	2	b	1012.6	0	21	−6	–	0	–	b	3	–	30	19				
	Skudesnaes ..	1008.7	34	S	3	b	1011.7	+2	28	0	E	3	–	b	2	–	37	27				
	Færder (X'iania Fjord)	1011.4	27	NE	1	o	1013.1	+2	21	−4	NE	4	–	c	2	–	28	21				
	The Scaw (Skagen)	1006.9	30	NE	5	o	1010.1	+4	27	−5	ENE	6	–	s	5	Trace	32	25				
	Blaavands Huk	1008.0	32	N	3	o	1007.7	0	28	+3	NNE	1	–	b	1	Trace	37	21				
	Haparanda ...	1012.4	18	N	2	o	1006.9	−4	16	+4	–	0	–	c	*	–	25	12				
	Hernösand ...	1013.0	19	N	2	o	1011.3	0	18	0	–	0	–	c	*	2	23	14				
	Stockholm ...	1010.0	21	NNE	2	bc	1010.0	0	16	−5	NNW	4	–	c	*	–	27	14				
	Wisby ...	1009.0	21	ENE	2	b	1009.6	0	23	−5	N	2	–	o	*	7	28	14				
	Karlstad ...	1010.7	25	E	4	c	1013.6	+1	12	−11	NE	2	–	b	*	–	34	10				
	Petrograd (6 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1006.0	36	NE	5	bc	1007.7	+1	34	−2	SSE	1	–	bc	1	–	37	32				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1004.7	37	NE	6	c	1005.0	+1	31	−6	ENE	6	*	bc	4	Trace	43	28				
	La Hève ...	1002.1	36	NE	4	o	1002.7	*	32	0	NE	3	*	b	2	–	46	32				
	Ushant ...	1000.2	41	E	7	o	1000.2	*	41		ESE	6	*	o	7	–	45	36				
	Brest (St. Mathieu)	1000.6	43	E	4	o	999.8	0	39	−4	E	3	*	o	3	–	46	39				
	Rochefort (Ile d'Aix)	997.7	41	E	4	o	997.4	−1	40	−1	E	5	*	o	*	17	55	39				
	Biarritz ...	997.3	56	ENE	1	o	990.4	0	57	+3	SW	3	*	o	2	5	63	52				
	Paris ...	1001.1	41	NE	3	o	1000.7	0	34	0	NE	4	–	bc	*	–	46	32				
	Belfort ...							*					*		*							
	Lyons ...	999.8	43	N	2	o	996.7	*	36	−3	NW	2	*	r	*	7	50	36				
	Nice ...	999.5	48	–	0	c	994.4	−5	52		–	0	*	o	4	1	57	46				
	Perpignan ..	999.4	55	–	0	bc	997.3	0	52	−2	–	0	–	bc	*	Trace	72	46				
	Sanguinaire ...							*					*									
Southern Europe	Corunna (7 a.m.)	994.6	60	WSW	4	o	996.6	+4	54	0	WSW	3	–	o	5	6	63	52				
	Madrid (8 a.m.)	1004.8	50	WSW	3	r	1001.2	+2	46	−2	WSW	3	–	bc	*	5	54	45				
	Lisbon (9 a.m.)	1003.9	59	SW	5	o	1003.8	+1	55	−2	SW	3	–	c	*	9	59	54				
	Gibraltar ...							*					*									
	Rome ...	998.9	52	N	2	r	998.3	0	48	−2	N	1	–	b	*	7	61	48				
	Azores (Horta, 8 a.m.)	1005.6	58	WSW	3	o	1009.6	+3	57	+3	WSW	3	*	c	3	9	61	54				
	Madeira (Funchal)	1014.1	63	W	4	r	1012.8	0	61	−2	W	3	–	bc	3	5	64	57				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b, 1, 2 a	Light breezes between North-West and North-East; fair to fine; slight local snow showers, cold, night frost.
2 b, 3, 4 a, b, 5	North-Easterly and Easterly breezes, fresh or strong at times in places, fair to fine, slight local snow showers; cold, night frost.
6 a, b, 7 a, b, 8 a	Light North-Easterly and Easterly breezes; fair to fine, slight local snow showers; cold, night frost.
8 b	Same as Nos. 2b, to 5.
9 a, b, 10 a	Same as Nos. 6 to 8a.
Western Channel and Bay 11	Easterly winds, strong to high, rough sea; fair to dull, some cold showers.

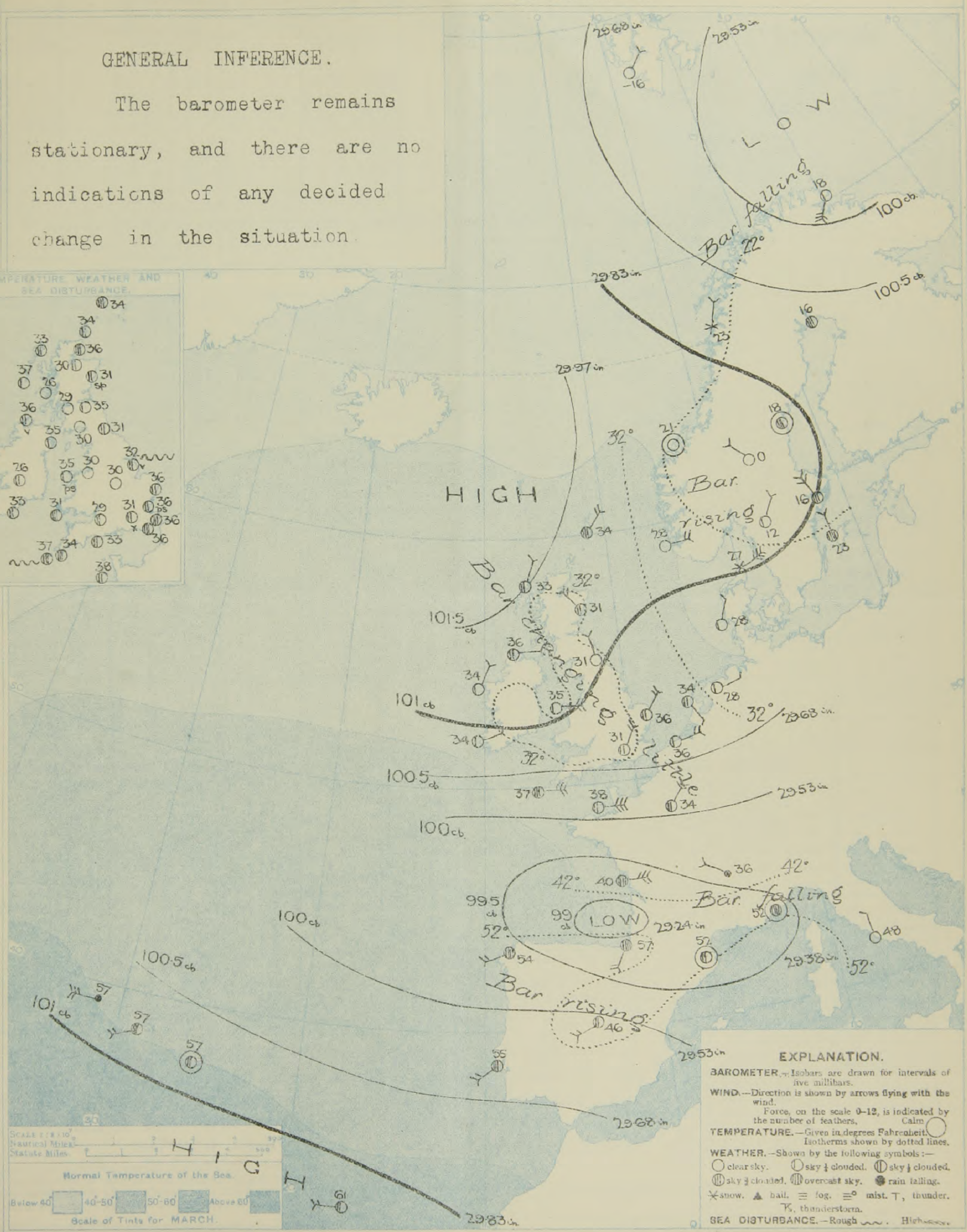
FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m. SUNDAY, 28TH MARCH, 1915.

GENERAL INFERENCE.

The barometer remains stationary, and there are no indications of any decided change in the situation.



DAILY WEATHER REPORT.

Sunday, 28th March, 1915.

REPORTS FOR YESTERDAY.

27th March 1915.

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Spitsbergen	1019·0	-2	N	1	c	1009·9	-16	0	+13	N	1	–	S	*	*	0	-8
Vardö	1009·9	19	NE	2	s	1012·0	0	21	-2	N	2	–	S	3	–	23	19
Bodö	1014·9	23	NNE	1	b	1015·4	+1	21	-6	NNE	4	–	C	2	–	20	19
Christiansund	1012·8	32	–	0	s	1011·1	0	27	-3	–	0	–	C	4	42	34	23
Skudesnaes	1009·5	34	NE	2	c	1010·1	0	28	0	NE	3	–	C	1	–	29	27
The Skaw	1007·9	24	ENE	1	b	1007·7	0	32	-2	NNE	3	–	bc	3	–	36	28
Blavands Huk	1004·7	34	NNW	1	b	1006·7	+2	25	-7	ENE	2	–	C	3	Trace	37	23
Haparanda	1007·8	14	N	4	b	1013·2	+3	12	+3	N	4	–	b	*	Trace	28	7
Hernosand	1012·8	23	N	2	bc	1012·3	0	18	-3	NNW	2	–	S	*	Trace	28	12
Stockholm	1008·0	27	E	2	bc	1009·2	+1	21	-4	NE	2	–	C	*	Trace	34	16
Wisby	1007·5	30	NNW	2	b	1007·1	0	28	-2	E	2	–	S	*	–	32	25
Karlstad	1008·2	30	–	0	bc	1010·4	+3	23	+4	NE	2	–	bc	*	1	37	18
Petrograd	1004·0	19	NW	1	c	1003·0	-1	16		NNE	1	–	c	*	–	27	16
Lisbon	1007·9	39	WSW	4	c	1007·5	-1	57	0	SW	5	–	c	6	–	61	57
Rome	1004·7	54	SW	1	bc	999·3	-3	50	-2	E	1	–	c	*	1	61	48
Horta	.	.	.	.	.	1001·3	+1	54	-5	SE	4	*	c	4	8	61	54

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
Scotland	Oban	–	45	25	bc	– bc	8·0
	Banff	1	42	32	sp.bc *	np.bc.c *	6·6
	St. Andrews						
Eng. N.E.	Harrogate	0·3	40	27	ops.bc.	bcsp.b.	7·3
	Scarborough	*					
	Skegness	2	41	29	bcpsh	hs.bc.	9·6
Eng. N.W.	Morecambe						
	Blackpool	–	44	27	b	bc.b	10·7
	Southport	–	44	28	b.bc	bc.b.	10·2
Midlands	Buxton	–	38	25	bc	bc	6·7
	Leamington Spa	–	42	26	bc.c	bc.c	5·3
	Malvern	–	35	27	bc	bc	8·2
	Ross-on-Wye	–	42	25	sc.bc.c	g.bc.	6·5
Wales	Rhyl	–	42	30	b	bc.cs.bc	9·8
	Colwyn Bay						
	Llandudno						
	Aberystwyth	–	44	31	o.c.b	bc.o.	8·0
	Tenby	–	45	29	b	bc	8·0
	Swansea						
England, E.	Cromer	–	41	34	bc	b.bc	9·9
	Lowestoft						
	Felixstowe	–	41	33	bc	bc.	10·5
	Walton-on-Naze	–	40	28	bc.b.	b.bc.	10·3
	Southend-on-Sea	1	43	28	b	b.	8·5

	STATIONS.	Rainfall. mm.§	Temperature. Max. °F.	Temperature. Min. °F.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m. Hr.
England, S.E.	Tunbridge Wells	–	44	27	bc	b.	9·2
	Margate	–	40	35	b	b	10·3
	Ramsgate	–	41	38	bch.bc	bc.	9·8
	Folkestone	–	42	33	bc.c.bc	b.bc.	8·8
	Hastings	–	43	30	b.	b.bc	8·7
	Bexhill-on-Sea	1	47	30	bc.	c.bc.	5·8
	Eastbourne	–	43	29	bc	bcz	7·0
	Seaford	–	44	29	bc	bc	0·0
	Brighton	–	45	30	bc.b.bc	bc.c.bc	8·4
	Worthing	–	44	29	bc	bc.	7·8
	Littlehampton	–	43	*	bc	bc	7·2
	Bognor	–	44	29	b	bc	7·7
	Southsea						
	Bournemouth	–	44	27	b.bc	c	5·7
England, S.W.	Weymouth	–	43	31	bc.c	c.bcz	5·5
	Torquay	–	44	35	bc	bc.c.o	6·5
	Paignton	–	42	35	bc	bc	4·2
	Falmouth	–	41	35	bc.c	c.o	0·8
	Penzance	–	42	34	c	c	1·0
	Newquay	–	42	30	bcv	bcv	5·0
	Ilfracombe	–	43	34	b	b.bc.	6·7
	Weston-super-Mare						

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday. %	Humidity. 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.§	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	59	79	9·6	44	29	22	–	b	b	bsc
City (Bunhill Row)	*	*	6·5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	97	60	7·2	44	31	26	–	m.bc	bc	bc.b
Camden Sq. (Brit. Rainfall)	60	72	6·9	47	27	24	–	b.c	bc	*
Hampstead (Reservoir)	*	57	8·4	41	26	17	–	bcs	bc	bcz
Richmond Park	*	*	6·8							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	72	62	6·7							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1039 Joules	23·0 Milliwatts.	61 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain fall. mm §	Temperature. In Screen. Max. °F.	Temperature. In Screen. Min. °F.	Temperature. Night Min. on Grass. F.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	0·3	41	35	32	bcph.	bc	phs.b.	*
Darwen to 9 p.m.								
Manchester ,,	–	42	30	*	bc.oc	o.c.bc	bc.b	5·3
Birmingham ,,	–	41	27	22	b	b	c	3·8
Oxford to 9 p.m.	*	43	26	19	c.b	bc	c.bc.b	*
Teignmouth to 9 p.m.	–	43	34	33	bc	bc	bc	4·3
Plymouth ,,	–	43	33	–	bcq	bcq	bcq	5·7
S. Kensington (Museum Grounds to 6 p.m.)	–	44	30	24	b.bz	bc.c.o	o.cz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

28th & 29th March 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.39 / 5.36	11.58 / 11.58	6.17 / 6.19
Greenwich	5.47 / 5.45	12.5 / 12.5	6.23 / 6.25
Wick	5.55 / 5.52	12.17 / 12.17	6.40 / 6.42
Valencia	6.28 / 6.26	12.46 / 12.46	7.4 / 7.6

NOTES ON YESTERDAY'S WEATHER.

The day was very cold, with temperature below 45° in most places. There were slight local showers of hail and snow, and in the Cornish region there was much cloud, but generally the day was fine and bright, with sunshine ranging up to 11 hours at Clacton.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 88

Monday. 29th March 1915.

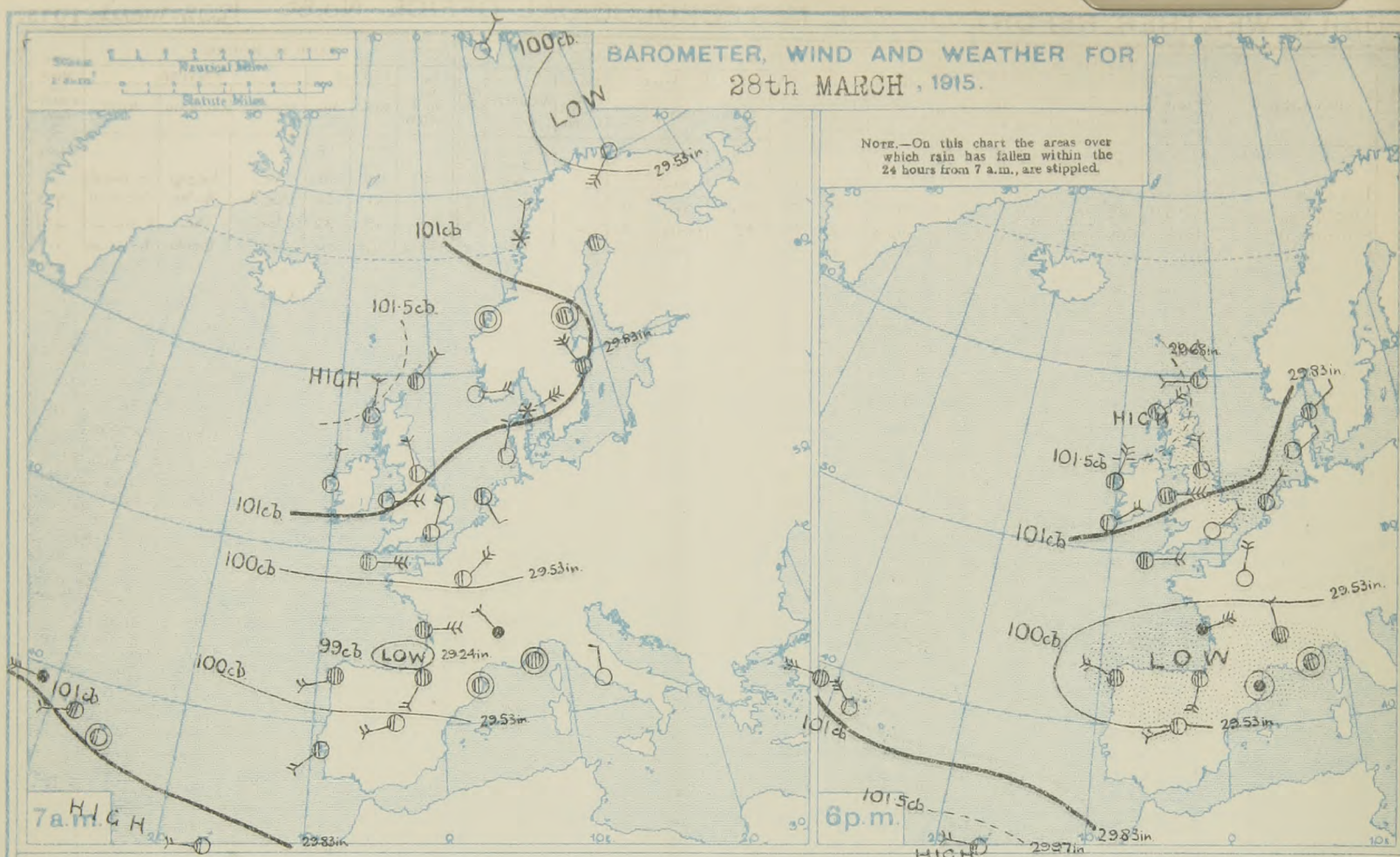
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	F.	°F							°F.	°F.				Hours.
British Islands.	Lerwick ...	1014·1	38	W	2	bc	1005·6	−6	38	+4	WSW	3	–	om	3	3	40	32	bc	bcsp	c.omd.	*
	Deerness ...	1015·9	37	E	1	bc	1010·5	*	36	+2	W	4	–	ov	2	1	41	33	bc.b	b.bc	bc.c.o	7·3
	Stornoway ...	1016·7	39	NE	4	bc	1013·9	−2	36	+3	NNW	2	–	c	2	–	43	32	bc	bc	b.bc.c	9·5
	Castlebay (Barra Isd.)	1015·3	42	N	3	b	1015·4	0	36	−1	NW	2	–	op	2	Trace	44	34	bc	bc.b	bc.b.op	1·1
	Glasgow ...	1014·3	37	ENE	1	c	1015·4	−1	29	0	W	1	N	bc.	*	–	42	26	b.bc.c	bc.c	c.bgx	8·7
	Eskdalemuir ...	1013·6	31	NNE	2	bc	1015·1	0	25	−5	NE	2	–	bx	*	1	38	21	c.opsg	psg	psg.bc.	7·5
	Malin Head ...	1014·4	40	ENE	2	b	1014·8	0	35	−1	S	2	E	bc	2	–	44	32	bc	b	bc	10·8
	Blacksod Point	1013·8	40	NNE	4	bcsg	1015·2	0	36	+2	NNE	1	NE	b	1	–	44	32	bc	bcsg	bc	*
	Valencia ...	1011·2	41	NE	3	bc	1013·5	+1	33	−1	E	1	–	b	3	–	45	32	c.bg	c.bg	bc	9·7
	Roche's Point	1011·8	40	E	3	c	1013·1	*	33	0	NE	2	–	b	2	0·2	44	31	bc	bc.c	bc	*
	Birr Castle ...	1011·9	42	E	2	bc	1014·5	*	23	−3	NE	1	–	b	*	–	44	23	bc	bcps	b.	7·8
	Donaghadee ...	1012·7	40	N	4	bcm	1014·5	+1	35	0	ENE	3	E	b	2	–	41	34		bcm	b.bcm	*
	Liverpool (Bidston)	1011·0	37	N	1	b	1013·1	0	28	−2	NE	1	–	b	1	—	41	27	bm	bc	bx	6·8
	Holyhead ...	1011·6	38	E	4	cps	1012·9	0	34	−1	E	4	E	bcsp	3	Trace	44	32	bc.c.b	bc.c.o	cps.bc	10·3
	Pembroke (St. Ann's)	1009·6	40	NE	3	c	1011·6	+1	30	−1	E	2	–	cqx	3	–	45	29	c	c	c	7·8
	Scilly (St. Mary's)	1006·3	40	E	4	c	1008·1	+2	37	0	E	4	E	bc	5	–	44	35	bc	bc	bc.o.bc	8·2
	Falmouth ...	1007·3	42	ENE	3	c	1009·3	+1	32	−2	NNE	1	NE	bx	3	–	44	31			c.bc.bx	8·6
	Jersey (St. Aubin)	1004·2	41	ENE	6	b	1007·2	*	38	0	E	5	–	b	4	–	42	35	bc.c	b	b.	7·3
	Portland Bill ...	1006·8	41	ENE	..	c	1009·1	+1	34	+1	NE	5	–	bx	4	–	42	30	bc.	bc.c	b.bc	*
	Dungeness ...	1006·9	37	NE	3	b	1009·7	+1	34	−2	ENE	3	E	bc	3	0·4	41	30	bc.b	b.bc.b	bcqps	*
	Dover	1008·2	34	NE	5	bc	1010·5	+1	35	−1	ESE	4	E	bc	4	0·2	40	30	c.bc.b	b	bc.cps	10·2
	Wick	1015·5	38	NE	1	b	1011·8	−2	33	−3	W	2	–	bc	2	Trace	40	28	cph.	bc.	bcm.	*
	Nairn	1015·2	38	E	1	bc	1013·6	*	33	+3	–	0	–	bc	2	–	42	29	c.bc	bcv	cg	7·3
	Aberdeen ...	1014·6	36	N	3	bc	1013·1	−2	33	+2	WNW	4	–	o	2	3	39	30	bc.osp	osp.bc	bcs	6·7
	Leith	1013·4	38	E	2	c	1014·2	−1	31	−4	WSW	2	SW	b	*	0·1	42	30	b.bc	cpsh.	c	*
	Tynemouth ...	1010·9	37	N	4	bc	1013·5	0	32	+1	NE	3	–	om3	3	2	41	30	bchs	bc	omps	*
	Spurn Head ...	1008·5	33	E	5	bc	1012·2	0	33	+1	E	4	–	bcwsp	4	3	41	29	bcqw	qs.bc	bcqsp	7·0
	Yarmouth ...	1009·0	37	NE	2	bc	1011·5	+1	35	−1	NE	3	NE	bc	2	1	42	29	bc	bc	bcph	10·7
	Clacton-on-Sea	1007·4	37	ENE	4	bcw	?	+1	30	−6	N	2	NE	bc	2	0·2	40	29	bcw	bcw	bcops	11·1
	Nottingham ...	1009·9	33	NE	2	c	1012·0	*	30	0	NE	2	–	b	*	1	42	27	bcps	cps	c.bc.b	6·5
	Bath	1008·8	44	NE	2	b	1011·5	*	32	+3	E	3	E	o	*	–	44	28	bc.b	bc.b	bc.cps	9·5
	London (Kew Obsy.)	1008·5	35	NE	2	bm	1011·1	+2	29	−2	NNE	2	–	bmx	*	–	41	27	bcx.bc	bc.osp.bc	bm.bf.bmx	6·6
Iceland, Faeroe, &c.	Spitsbergen ...												*		*	*						
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö															*						
	Bodö																					
	Christiansund																					
	Skudesnaes ..																					
	Færder (X'tania Fjord)																					
	The Scaw (Skagen)	1007·0	27	NE	1	c	1008·7	−3	27	0	SW	3	W	c	3	–	45	23				
	Blaavands Huk	1009·6	28	NE	1	b	1012·0	+1	21	−7	SE	1	–	bc	1	Trace	36	15				
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (5 a.m. G.M.T.)														*							
France, &c.	The Helder ...						1010·4	0	32	−2	ENE	2	–	bc	1	Trace	37	32				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1006·1	36	ENE	6	b	1009·2	+2	30	−1	E	3	*	b	2	Trace	39	28				
	La Hève	1004·8	39	ENE	4	c	1007·1	*	28	−4	NE	3	*	b	3	–	41	28				
	Ushant	1004·2	41	E	6	o	1004·3	*	39	−2	E	4	*	o	4	–	45	34				
	Brest (St. Mathieu)	1004·6	41	NE	4	bc	1006·1	−1	34	−5	ENE	4	*	o	4	–	50	34				
	Rochefort (Ile d'Aix)	998·4	41	ENE	5	r	1000·8	0	35	−5	ENE	5	*	bc	*	3	48	34				
	Biarritz	997·3	53	SW	4	c	999·1	0	50	−7	ENE	1	*	o	2	1	57	48				
	Paris	1002·0	39	NNE	4	c	1006·1	+2	30	−4	NNE	3	–	b	*	–	46	28				
	Belfort							*					*		*							
	Lyons	997·6	41	NNW	2	o	1002·1	*	35	−1	NNW	2	*	o	*	5	43	34				
	Nice	995·9	47	–	0	c	998·1	+2	46	−6	–	0	*	o	4	12	57	43				
	Perpignan ..	996·3	52	–	0	r	1001·0	+3	50	−2	SW	1	S	c	*	7	70	45				
	Sanguinaire ...	995·7	53	S	2	m	997·0	*	55		S	2	*	m	4	3	66	46				
Southern Europe.	Corunna (7 a.m.)	998·6	55	WNW	4	o	999·1	+2	50	−4	S	1	–	c	3	6	57	50				
	Madrid (8 a.m.)	1000·0	57	WSW	3	bc	1002·6	+1	43	−3	–	0	–	r	*	1	57	43				
	Lisbon (0 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)		*				1012·0	0	57	0	SW	1	*	b	3	6	64	57				
	Madeira (Funchal)	1015·3	64	W	3	bc	1019·6	+2	59	−2	W	3	N	c	3	–	66	57				

RAINFALL.

Equivalents of Millimetres in Inches.

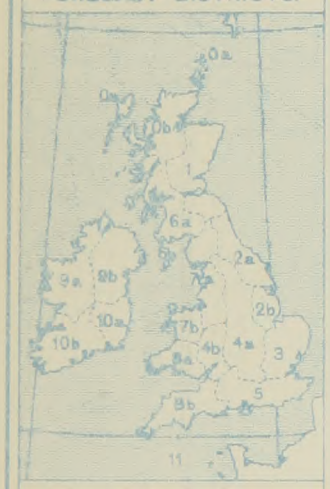
mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

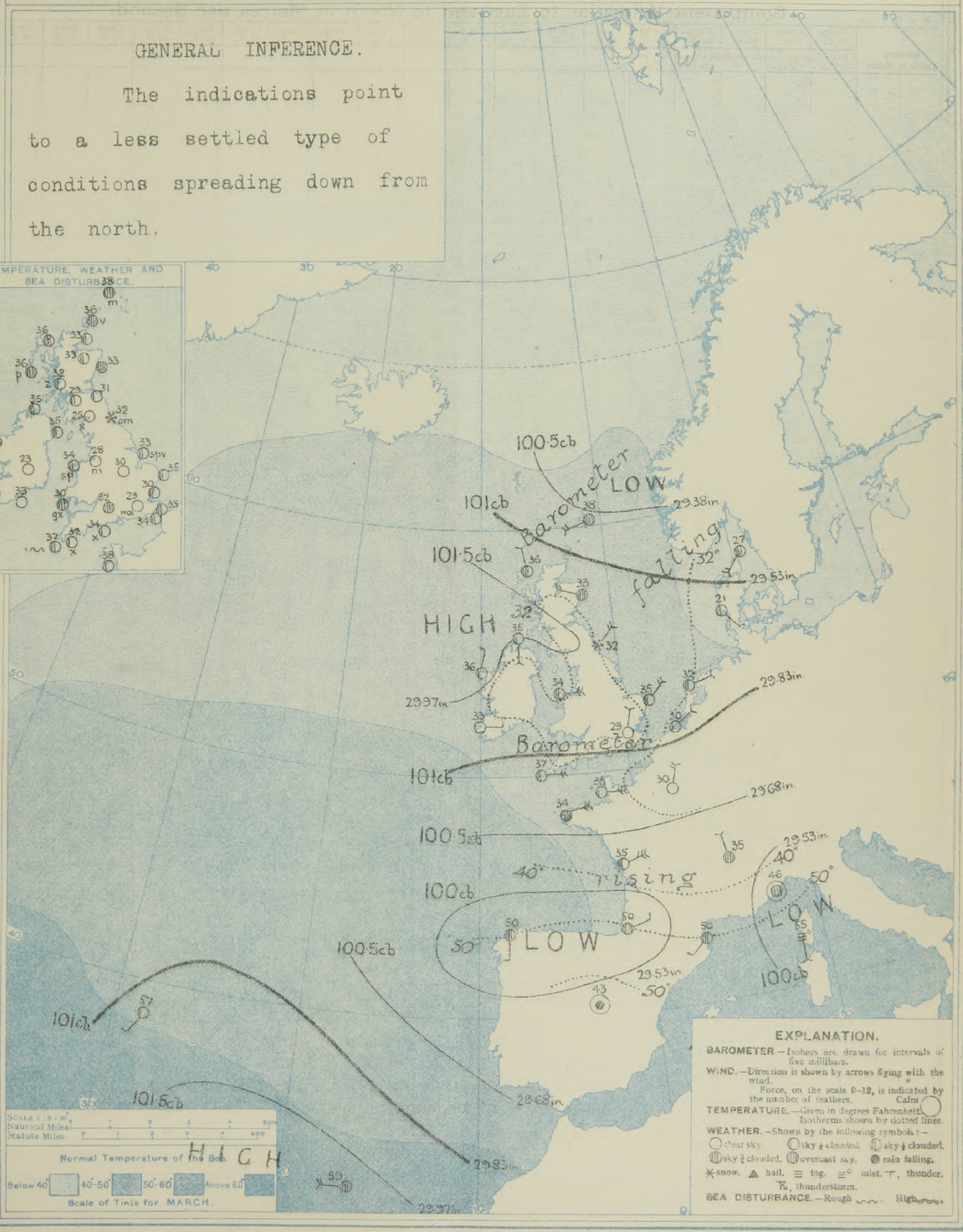
0 a, b; 1		Freshening Westerly to North-Westerly and Northerly breezes, fresh to strong at times later; fair or fine at first, then less settled, with snow; cold, night frost.
2 a, b; 3; 4 a, b; 5		Light Easterly and North-Easterly breezes, backing Northerly and North-Westerly later and freshening; fair or fine, with slight local snow showers, probably becoming less settled later; cold, night frost.
6 a, b		Same as Nos. 0 and 1.
7 a, b; 8 a, b; 9 a, b; 10 a, b		Same as Nos. 2 to 5.
Western Channel and Bay	11	Moderate to fresh Easterly breezes; sea moderate to rather rough; fair to cloudy, some cold showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 29th MARCH, 1915.



PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

Station Date & Hour.		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		South Farnborough 22nd 8h. 55m.		South Farnborough 27th 8h. 35m.		Benson 27th 10h. 51m.															
Heights in Kilometres.				+13	-6																
				+5	-5																
				-9	-6																
	1	-8	+10	-11	-7	-7	-9														
	0.5	-9	+8	-8	-6	-4	-4														
	0	-5	+1	-4	-4	-5	-5														

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	-	45	25	bc	bc	7.1
	Banff	4	41	29	s.b.bc	sp.bc	8.1
	St. Andrews				*	*	
Eng. N.E.	Harrogate	-	39	25	bc.b.o	c.bc.b	6.8
	Scarborough	*					
	Skegness	1	40	30	s.bc	bcs.bc	7.8
Eng. N.W.	Morecambe						
	Blackpool	-	43	25	b	bc.os.b	9.5
	Southport	-	42	24	b.bc	h.c.bc	8.0
Midlands.	Buxton	-	38	23	bc	bc	5.4
	Leamington Spa	-	42	26	bc.c	bc.c	7.0
	Malvern	-	42	27	bc	bc	8.0
	Ross-on-Wye	-	42	25	c.b.bc	bc.cz	7.5
Wales.	Rhyl	-	41	24	b	bc.b	8.5
	Colwyn Bay	-	42	28	bc	bc	8.6
	Llandudno	-	43	32	b	b	9.4
	Aberystwyth	-	43	30	c.bc	c.o	8.5
	Tenby						
	Swansea	-	44	30	bc.b	bc	7.5
England, E.	Cromer	0.3	42	32	bc	bc	9.9
	Lowestoft	-	40	33	bc	bc.cph	9.3
	Felixstowe	0.3	39	29	bcv	bcv	10.5
	Walton-on-Naze	-	39	32	bc.b	b	11.2
	Southend-on-Sea	-	42	30	bc.b.bc	b.bc.bv	9.4

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	F.			Hr.
England, S.E.	Tunbridge Wells	1	41	27	bc	bc.b	9.1
	Margate	-	40	32	bc	bc	8.5
	Ramsgate	-	38	32	b	b	8.6
	Folkestone	1	40	33	bc	bc.b	10.0
	Hastings	-	40	31	bc.b	b	10.1
	Bexhill-on-Sea	-	44	31	b	bc	8.9
	Eastbourne	-	42	30	b	b	9.0
	Seaford						
	Brighton	-	44	31	c.bc.c	c.bc.c.bc	9.5
	Worthing	-	43	30	bc.b	b	9.2
	Littlehampton	-	42	*	bc	bc	7.8
	Bognor	-	42	30	b	bcs	9.8
	Southsea	-	43	30	bc.b	b	7.9
	Bournemouth	-	43	29	bc	bc.c	6.0
England, S.W.	Weymouth	-	44	30	bc.b	b.bcm	6.4
	Torquay	-	43	34	c.o	bc.c	6.8
	Paignton						
	Falmouth						
	Penzance						
	Newquay	-	43	31	bc.bv	bc.bv	8.0
	Ilfracombe	-	43	34	bc.b	b.bc	8.1
	Weston-super-Mare	-	43	28	b.bc.b	b.bc.b	9.0

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	65	72	8.3	43	26	15	-	b	bcsp	bc
City (Bunhill Row)	*	*	6.7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	56	72	6.6	42	29	29	-	bc	bc	bmac
Camden Sq. (Brit. Rainfall)	-	75	7.2	45	26	23	-	-	-	*
Hampstead (Reservoir)	*	79	7.9	40	24	13	-	bc	bcs	bcx.b
Richmond Park	*	*	6.7							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	-	69	6.6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
949 Joules	20.9 Milliwatts.	66 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm §	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	Trace	44	36	33	bcsh	c.b	bc	*
Darwen to 9 p.m.								
Manchester ,,				*				
Birmingham ,,	-	41	26	20	*	bc	c	6.8
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.								
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	-	42	30	23	b.bc	bc	bc.c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

29th March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.36 / 5.34	11.58 / 11.59	6.19 / 6.21
Greenwich	5.45 / 5.43	12.5 / 12.5	6.25 / 6.27
Wick	5.52 / 5.48	12.17 / 12.17	6.42 / 6.46
Valencia	6.26 / 6.24	12.46 / 12.46	7.8 / 7.8

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 45° at nearly all stations. Slight snow showers fell in several localities. Bright sunshine was general, large records at most stations, over 11 hours at Clacton and Walton-on-the-Naze.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 89. {Tuesday, 30th March, 1915.

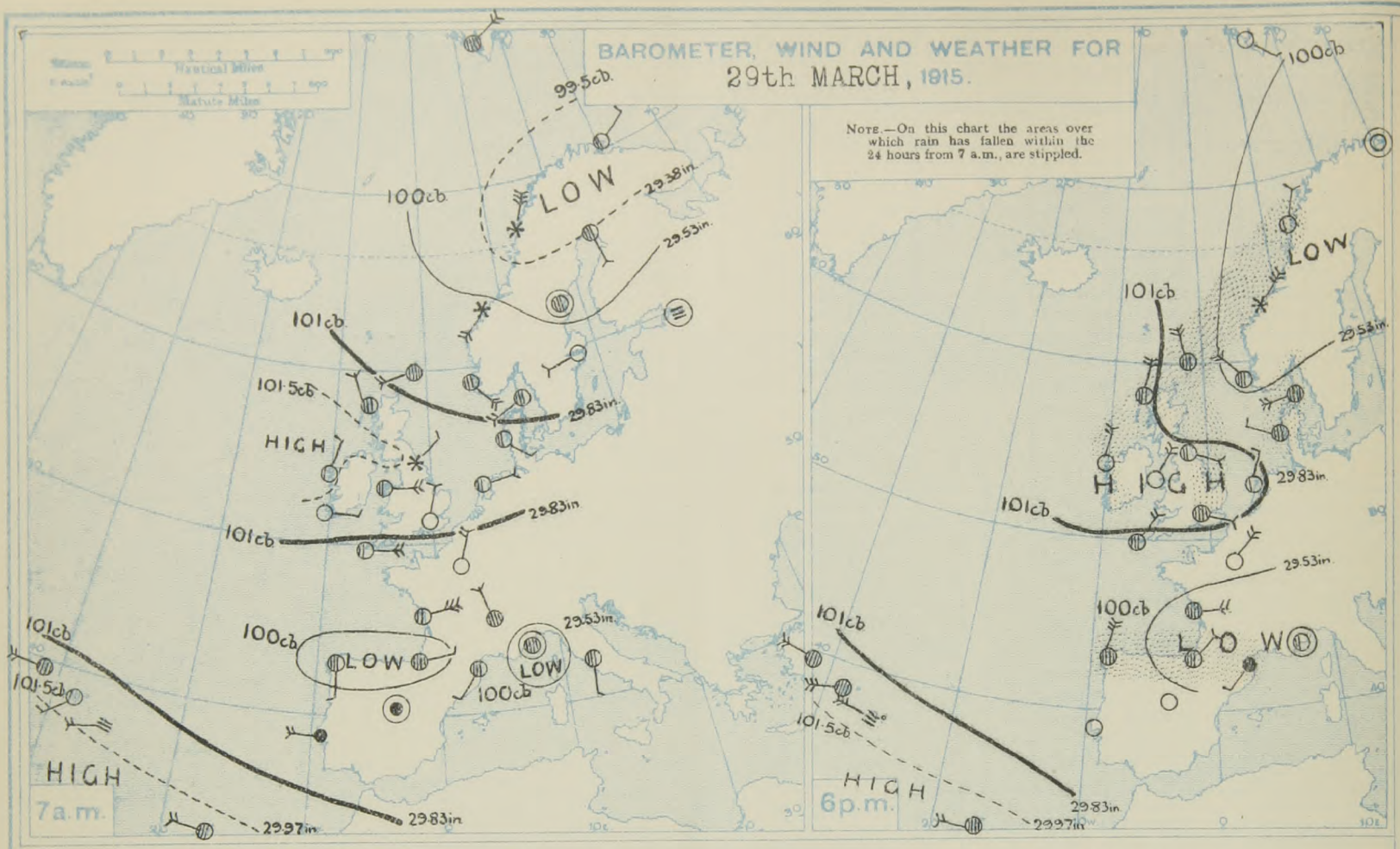
DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1006·4	36	NNW	4	c	1008·3	0	32	-6	N	3	–	c	3	2	41	29	o.cp	c	c	*
	Deerness ...	1008·1	38	NNW	5	cg	1010·1	*	31	-5	NNW	3	–	cs	2	2	41	32	cp.o	o.c.bcc	c.os	0·8
	Stornoway ...	1011·8	41	NNE	4	c	1011·7	-1	34	-2	NW	1	–	o	1	0·3	45	38	c.bc	bcp.c	c.o	1·2
	Castlebay (Barra Isd.)	1012·2	44	NW	3	o	1011·6	0	39	+3	–	0	–	o	1	3	44	35	cps.po	o.bc.o	cp.o	5·0
	Glasgow ...	1011·1	39	W	2	c	1011·5	+1	32	+3	ENE	1	NW	c	*	–	43	28	cn.bc.c	cn	cg.bcc	5·4
	Eskdalemuir ...	1011·3	34	NW	1	c	1012·0	0	29	+4	N	1	NW	bcc	*	–	41	22	b.bc.c	c.o.c	c.bc.b	6·6
	Malin Head ...	1013·0	38	NW	3	bc	1011·1	0	40	+5	NE	2	NE	bc	1	1	50	35	cg	bcph	bc	4·5
	Blacksod Point	1013·6	42	NNE	3	b	1012·9	-3	38	+2	NNE	2	NE	bcp	2	1	43	35	bc	bc	bc.bcp	*
	Valencia ...	1013·2	42	NNE	2	bc	1012·8	-1	33	0	–	0	–	bc	3	–	43	31	bc	bc	bcc	8·4
	Roche's Point	1014·4	39	E	2	c	1012·8	*	36	+3	NNW	2	–	o	1	1	42	32	cs	cs	b.o	*
	Birr Castle ...	1013·2	42	NE	1	c	1012·5	*	31	+8	SW	1	–	c	*	–	44	22	c	c	cc	8·4
	Donaghadee ...	1012·4	40	N	1	bc	1010·7	0	36	+1	W	2	W	cp	1	Trace	41	34	bcm	bc		*
	Liverpool (Bidston)	1011·9	36	N	2	b	1010·8	-2	33	+5	W	1	–	b	1	–	39	28	bm	cm	bc	3·4
	Holyhead ...	1012·6	39	NE	4	b	1011·1	0	32	-1	S	3	–	bc	1	–	43	32	bc.b	bc.b	bc.o.c	9·8
	Pembroke (St. Ann's)	1011·8	37	ESE	2	c	1012·8	-1	33	+3	NNE	1	NE	bcmc	1	–	42	30	cgc	c	c	6·0
	Scilly (St. Mary's)	1008·3	39	NE	3	c	1009·4	0	38	+1	ENE	3	NE	o	4	–	44	35	bc	cps	c.o	1·7
	Falmouth ...	1009·0	39	NE	3	c	1010·3	+2	33	+1	NNE	2	E	bc	3	–	44	31	b.bc.b	b.bc.o	o.c.bc	8·0
	Jersey (St. Aubin)	1006·6	41	NE	6	o	1006·5	*	38	0	NE	5	–	o	4	0·1	44	35	b	b.o	op.o	7·5
	Portland Bill ...	1009·2	38	E	4	cps	?	0	33	-1	NE	4	NE	bc	4	–	41	29	bc	cps	c.bc	*
	Dungeness ...	1010·1	36	ENE	3	bc	1008·2	-1	36	+2	NE	3	NE	o	3	–	41	33	bc	bc	bcv.o	*
	Dover ...	1011·1	33	NE	4	cps	1008·7	-1	37	+2	NE	4	NE	c	4	0·2	41	29	bc.b	bc.os.b	c.b.bc.c	9·6
	Wick ...	1009·0	38	NNW	2	c	1010·4	0	34	+1	WNW	2	–	o	2	1	42	33	bc.omr	omr.c	cm.o	*
	Nairn ...	1009·9	40	NNW	3	cg	1011·4	*	34	+1	NW	1	–	cg	2	0·3	45	32	bc.c	cc.u	d.c	2·1
	Aberdeen ...	1008·9	40	NNW	3	o	1010·6	0	35	+2	NW	3	–	o	2	1	45	33	ob.bc	c.o	op.o	3·0
	Leith ...	1009·6	44	W	2	bc	1011·3	+2	37	+6	E	2	–	oc	*	–	45	30	b.bc	c.bc	bcg	*
	Tynemouth ...	1011·2	38	ESE	2	bc	1010·4	0	37	+5	NNW	2	N	c	3	2	43	30	bc	bc	c	*
	Spurn Head ...	1013·6	36	E	3	bc	1010·2	-2	34	+1	NW	3	–	bc	4	–	42	30	cps bc	bc	bc	?
	Yarmouth ...	1011·6	35	NE	3	bc	1010·5	0	34	-1	NW	1	–	bc	1	1	41	30	bcps	bcps	bc	8·0
	Clacton-on-Sea	1010·0	37	NE	3	bcv	?	0	33	+3	N	2	NE	bc	2	1	41	29	bc.cps	bcps.v	bcvc	5·1
	Nottingham ...	1011·4	37	ENE	2	b	1010·8	*	24	-6	WSW	1	–	bmc	*	Trace	40	23	bcps	c.b	bm	7·6
	Bath ...	1010·3	40	ENE	2	c	1010·9	*	30	-2	ENE	1	NE	o	*	–	43	27	o.bc.b	b.bc.c.o	c.bc.b.o	6·4
	London (Kew Obsy.)	1010·7	36	ESE	2	ogm	1009·9	0	30	+1	NNE	2	–	bmc	*	Trace	38	27	bmcps.g	cm.gms	omg3.ombmc	1·0
ICELAND, FAEROE, &c.	Spitsbergen ...	1003·4	-19	SE	1	b	1005·7	-2	-23	-10	–	0	*	b	*	*	-13	-23				
	Isafjord ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
NORTHERN EUROPE.	Vardö ...	993·0	23	–	0	b	992·0	0	25	+2	SSE	1	–	S	2	*	25	14				
	Bodö ...	992·4	25	NNE	2	b	993·7	+1	25	-2	NNE	4	N	c	2	?	28	19				
	Christiansund	998·1	30	NE	5	s	999·8	0	28	-4	N	1	–	c	4	11	36	25				
	Skudesnaes ..	999·1	36	NW	4	c	1002·6	+1	32	+2	NNW	5	–	c	2	?	36	30				
	Færder (X'iania Fjord)	1000·4	34	SW	5	c	995·7	+2	32	+7	NNW	6	–	o	3	2	34	25				
	The Scaw (Skagen)	1004·8	34	WSW	4	o	997·7	-1	36	+9	W	4	–	b	4	Trace	37	25				
	Blaavands Huk	1009·7	30	WNW	1	c	1004·8	0	36	+15	W	5	–	r	4	Trace	36	19				
	Haparanda ...	991·8	21	S	6	o	994·4	+5	19	+5	N	2	–	b	*	–	23	10				
	Hernösand ...	993·5	30	SSE	2	bc	995·5	+2	27	+6	–	0	–	o	*	1	37	21				
	Stockholm ...	1001·5	30	W	2	b	1000·7	-1	28	+10	SSW	2	–	c	*	–	34	18				
	Wisby ...	1006·1	27	SW	4	b	1004·6	-1	22	+7	SW	4	–	bc	*	–	34	25				
	Karlstad ...	1001·2	28	WSW	4	c	994·9	-4	30	+14	SW	6	–	S	*	–	34	16				
	Petrograd (5 a.m. G.M.T.)														*							
FRANCE, &c.	The Helder ...	1010·6	36	NNE	1	b	1009·7	0	32	0	SSE	1	–	b	1	–	36	28				
	Brussels ...	*	*	*	*	*									*							
	C. Gris Nez ...	1008·7	34	ENE	5	bc	1007·8	0	32	+2	E	4	*	bc	2	–	41	28				
	La Hève ...	1005·1	34	NE	3	o	1005·7	*	30	+2	NE	3	*	b	2	–	39	28				
	Ushant ...							*					*									
	Brest (St. Mathieu)	1006·4	43	ENE	4	o	1008·4	+1	33	-1	NE	1	*	S	2	–	45	32				
	Rochefort (Ile d'Aix)	999·5	45	E	4	o	1002·7	+5	37	+2	NW	4	*	o	*	–	50	34				
	Biarritz ...	998·6	51	NE	2	c	1006·6	+3	46	-4	WNW	5	*	r	4	5	59	43				
	Paris ...	1005·5	39	NNE	3	b	1004·7	0	32	+2	NE	3	–	o	*	–	46	30				
	Belfort ...							*					*		*							
	Lyons ...							*					*		*							
	Nice ...	997·7	50	–	0	bc	999·9	+2	47	+1	–	0	*	b	3	–	61	45				
	Perpignan ...	998·7	52	SW	1	r	1002·1	+5	48	-2	NW	5	SW	o	*	1	64	43				
	Sanguinaire ...	995·9	55	E	2	o	997·2	*	54	-1	E	2	*	c	4	–	61	48				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1005·1	50	NNE	5	o	1009·5	-2	41	-9	SE	5	W	o	3	?	57	39				
	Madrid (8 a.m.)														*							
	Lisbon (9 a.m.)																					
	Gibraltar ...							*					*									
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1011·0	*	WSW	5	o	1015·9	+1	53	-4	–	0	*	b	2	–	64	52				
	Madeira (Funchal)	1019·1	64	W	3	o	1019·8	0	60	+1	W	3	N	bc	3	–	66	57				

RAINFALL.

Equivalents of Millimetres in Inches.

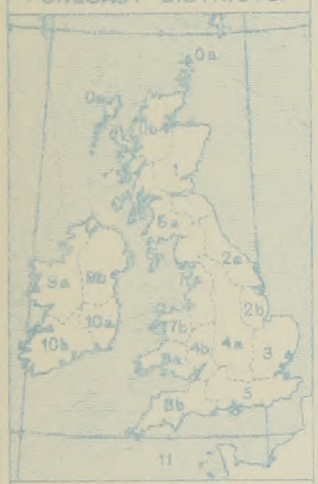
mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay

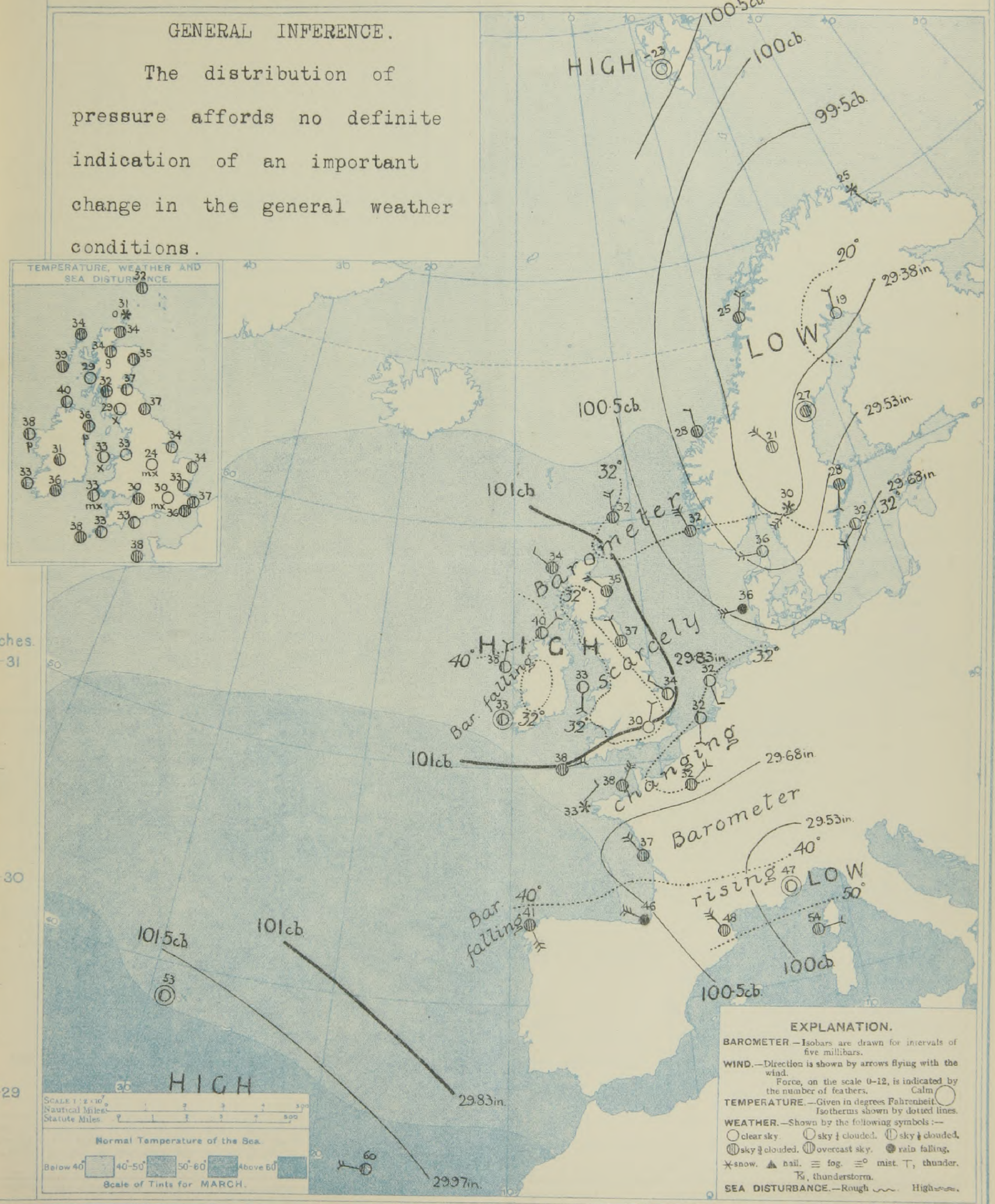
0 a, b; 1; 2 a, b; 3; 4 a, b	Light variable North-Westerly breezes; cloudy to fair or fine, slight snow showers locally; cold, night frost.
5	Light to moderate North-Easterly breezes, backing Northerly and North-Westerly later; cloudy to fair or fine, slight snow showers locally; cold, night frost.
6 a, b; 7 a, b	Same as Nos. 0 to 4.
8 a, b	Same as No. 5.
9 a, b; 10 a, b	Light variable breezes; cloudy to fair or fine, slight snow showers locally; cold, night frost.
11	Light to fresh breezes, direction variable; sea moderate to rather rough; fine to cloudy, some cold showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m. TUESDAY, 30th MARCH, 1915.



DAILY WEATHER REPORT. Tuesday, 30th March, 1915.

REPORTS FOR YESTERDAY.

29th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Observations at 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.						°F.	°F.								
Spitsbergen.	1004·3	−13	NE	6	o	999·5	−12	−13	+3	NE	4	*	o	*	*	?	?
Vardö	996·3	23	NNW	4	o	993·9	−2	23	+5	ENE	1	—	bc	2	—	23	10
Bodö	1000·0	28	N	4	c	992·0	−3	27	+4	NNE	6	—	s	2	—	30	19
Christiansund	1009·9	30	NW	1	o	1000·6	−5	32	+11	SW	5	—	s	4	Trace	32	23
Skudesneas	1013·1	30	NNW	2	c	1008·8	−2	30	+2	SE	4	—	c	2	—	36	27
Faerder	1011·8	27	WSW	3	b	1007·3	−3	25	+4	WSW	2	—	b	1	—	27	23
Halparanda	999·7	16	SW	2	c	993·0	−1	14	−2	S	2	—	c	*	—	19	10
Hernösand.	1006·7	19	—	0	b	998·6	−3	21	+3	—	0	—	b	*	—	25	10
Stockholm	1009·5	23	NW	2	o	1004·7	−1	18	+2	WSW	2	—	b	*	—	23	12
Visby	1009·9	21	NNE	4	c	1008·0	0	25	+2	W	4	—	bc	*	Trace	25	16
Karlsfad	1011·0	21	W	2	b	1006·9	−3	16	+4	—	0	—	bc	*	—	27	3
Petrograd	1007·3	16	W	1	bc	1008·9	−1	9		NW	1	—	f	*	—	25	5
Helder	1008·7	34	NE	2	bc	.	.	.	.	.	.	.	.	.	.	.	.
Belfort	1000·0	32	ENE	6	o	1003·1	*	28		ENE	6	—	s	*	1	35	28
Lisbon	1002·1	57	WSW	4	c	1004·8	+1	52	−3	W	3	—	r	6	2	59	52
Rome	999·9	56	S	1	o	1000·4	0	55	+7	S	1	—	c	*	7	63	48
Horta	1013·1	*	W	4	o	.	.	.	.	.	.	.	.	.	.	.	.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	—	43	25	bc.c	o.bc	2·8
Scotland.	Banff	1	43	30	bc	r	3·4
Scotland.	St. Andrews	—	45	28	*	*	6·4
Eng., N.E.	Harrogate	—	39	25	b.bc.b	bc.c.	5·1
Eng., N.E.	Scarborough	*					
Eng., N.E.	Skegness	1	40	30	s.bc	bc	10·2
Eng., N.W.	Morecambe	—	41	28	b	b.	11·1
Eng., N.W.	Blackpool	—	42	26	b	b	10·1
Eng., N.W.	Southport	—	42	24	b.bc	b	9·2
Midlands.	Buxton	—	36	22	bc	bc	6·5
Midlands.	Leamington Spa	—	41	26	bc.c.	bc.c.	5·4
Midlands.	Malvern	—	41	27	bc	bc.	6·6
Midlands.	Ross-on-Wye	—	42	27	bc	bc.cs	6·6
Wales.	Rhyl	—	39	25	bc	bc.	5·3
Wales.	Colwyn Bay	—	40	35	bc	bcs	7·0
Wales.	Llandudno	—	41	32	b	bc	6·4
Wales.	Aberystwyth	—	42	29	c.bc	c.o	7·5
Wales.	Tenby	—	44	25	b	bc.	8·5
Wales.	Swansea	—	42	30	bc	bc.c.	5·5
England, E.	Cromer	2	40	28	bcs.b	bc	7·5
England, E.	Lowestoft	1	39	29	bc.cps	bc.cps	8·5
England, E.	Felixstowe	1	39	28	bcv	bc.cps	5·8
England, E.	Walton-on-Naze	2	39	28	bc	bc.c.	6·6
England, E.	Southend-on-Sea	1	40	28	cs.bc.b	bcps.	3·6
England, S.E.	Tunbridge Wells	—	41	26	o	b.	4·6
England, S.E.	Margate	—	41	31			6·6
England, S.E.	Ramsgate	1	39	29	s.bc	bcs.bc.	6·0
England, S.E.	Folkestone	0·3	43	31	b.bc	bc.b.	9·1
England, S.E.	Hastings	—	40	29	bc.b.	bc.b.	7·7
England, S.E.	Bexhill-on-Sea	—	40	29	c	c	8·0
England, S.E.	Eastbourne	—	42	28	b	b.bc	9·5
England, S.E.	Seaford	—	44	27	b	b	7·2
England, S.E.	Brighton	—	42	?	c.bc.c	bc.c	7·1
England, S.E.	Worthing	—	42	28	bc	c	7·2
England, S.E.	Littlehampton	?	41	*	c.b.bc	bcv	6·4
England, S.E.	Bognor	—	42	28	b.	bcs	7·9
England, S.E.	Southsea	—	42	29	b	b.bc.	6·5
England, S.E.	Bournemouth	—	42	25	b.bc	c.o	5·0
England, S.W.	Weymouth	—	42	27	b	bc.o	5·2
England, S.W.	Torquay	—	43	31	bc	bc.c.o	7·2
England, S.W.	Paignton	—	42	29	b	bcs	7·3
England, S.W.	Falmouth	—	44	31	b.bx.b	b.bc.o	8·0
England, S.W.	Penzance	—	44	33	bc	c.bc.	6·0
England, S.W.	Newquay	—	41	28	bv.cv	ov	4·0
England, S.W.	Ilfracombe	—	41	34	bc.b	b.bc.	8·0
England, S.W.	Weston-super-Mare	—	42	29	bc.b	bc.b.bc	3·5

LONDON OBSERVATIONS.

STATIONS.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	71	67	5·5	41	28	17	0·3	c.bc	bc.b	bcsp.bc
City (Bunhill Row)	*	*	3·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	71	68	3·2	41	30	24	—	bc	bc	bmx
Camden Sq. (Brit. Rainfall)	65	75	3·6	44	28	23	1	c.bc	bc.c	*
Hampstead (Reservoir)	*	74	4·4	39	25	15	1	bcs	bcx	bcx
Richmond Park	*	*	1·4							
Kew. (See front page.)										

(Greenwich and Camden Square air temperatures are in Glaisher screens.)

S. Kensington (Roof of M.O.)	65	67	1·7

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
576 Joules	12·6 Milliwatts.	58 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	F.				Hr.
Dublin to 4 p.m.	Trace	43	33	30	bcs	c.b	b	*
Darwen to 9 p.m.	—	38	24	23	bc	bc	bc	6·3
Manchester ,,				*				
Birmingham ,,	—	39	26	18	b	b.c	c.b	1·3
Oxford to 9 p.m.	*							*
Teignmouth to 9pm.	—	42	31	28	b	b.bc	bcsp.c	5·3
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	0·2	39	29	21	bc.og	ogsp.bc	bc.o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

30th & 31st March, 1915.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.34	11.58	6.21
	5.32	11.57	6.22
Greenwich	5.43	12.5	6.27
	5.40	12.4	6.28
Wick	5.48	12.17	6.45
	5.46	12.16	6.48
Valencia	6.34	12.46	7.8
	6.31	12.45	7.9

NOTES ON YESTERDAY'S WEATHER.

At nearly all stations temperature remained below 45°. Slight snow showers occurred in many localities. Bright sunshine ranged from less than an hour at Deerness to over 11 hours at Morecambe.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. No. 90

Wednesday, 31st March, 1915.

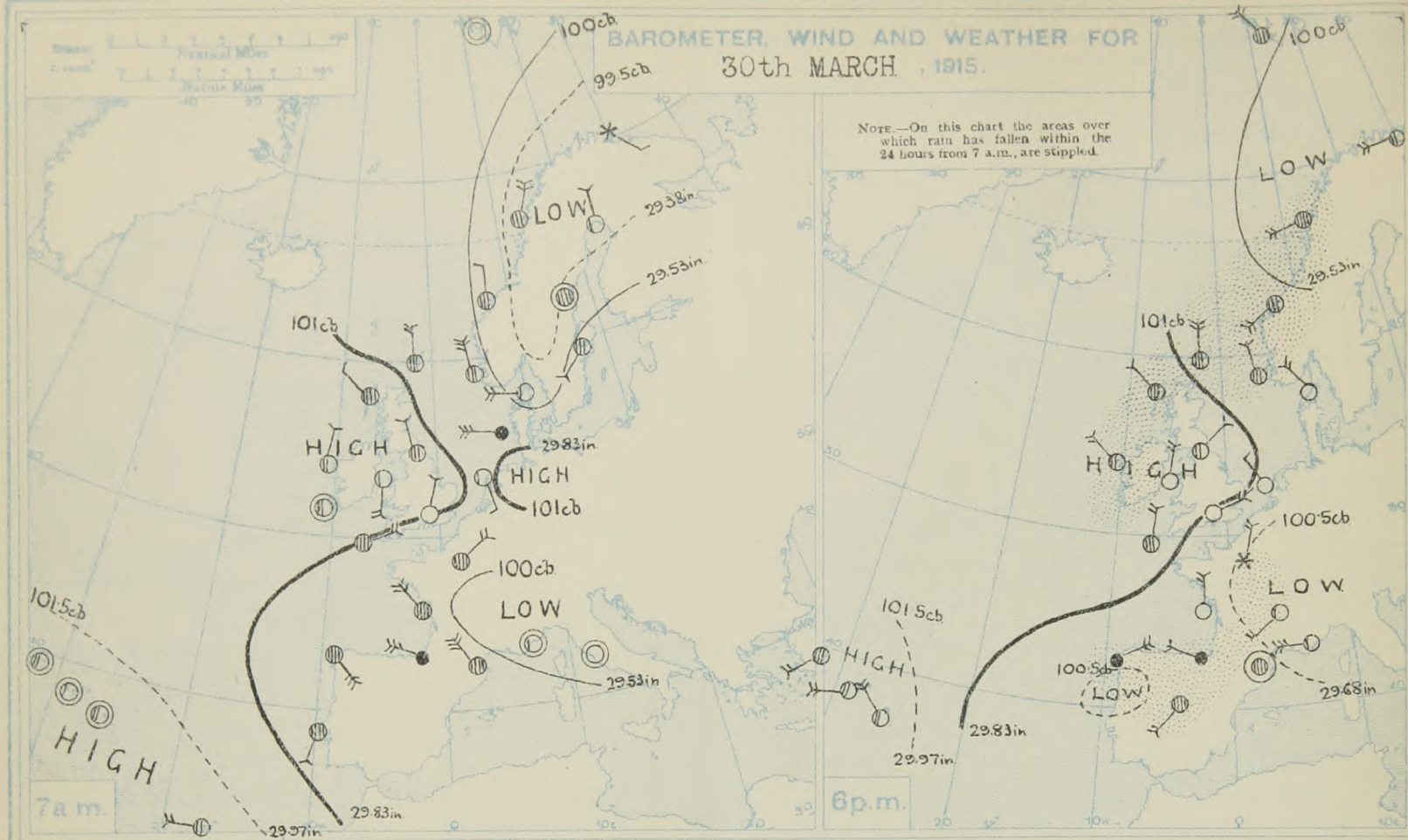
Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
British Islands.	Lerwick ...	1008.3	31	N	4	c	1009.9	0	32	0	N	2	–	c	1	3	35	28	c	csp	bc.c	*
	Deerness ...	1010.1	34	NNW	3	c	1010.5	*	33	+2	ESE	3	–	s	2	1	37	32	cpg	o.c	c.sn	1.5
	Stornoway ...	1011.4	40	NW	2	c	1009.3	0	39	+5	WSW	3	–	c	3	3	43	34	csp	cp	c.o.cp	0.7
	Castlebay (Barra Isd.)	1011.6	43	S	3	b	1011.7	0	43	+4	W	4	–	bc	4	2	45	38	o.bc	bc.b	b.sp.bc	6.1
	Glasgow ...	1011.2	42	SW	3	c	1014.1	+2	33	+1	SW	1	W	c	*	–	46	30	csg	csg	czc	5.1
	Eskdalemuir ...	1011.5	39	SW	3	o	1015.5	+1	24	−5	–	0	W	cx	*	–	46	21	bcx.c	c.sng	c.s.bcx	6.4
	Malin Head ...	1012.2	43	N	1	b	1013.4	+1	41	+1	SW	3	NW	cp	2	1	46	39	bc	bc	cp	9.5
	Blacksod Point	1013.2	44	NW	3	bc	1017.9	+2	41	+3	NW	3	NW	bcp	2	1	46	36	bc	bcp	bc.bcp	*
	Valencia ...	1013.5	45	NNW	3	b	1018.6	+2	37	+4	–	0	–	r	2	1	47	31	bc	c.b	bcp	8.5
	Roche's Point	1013.1	45	N	1	c	1018.5	*	39	+3	N	2	N	c	1	0.1	46	36	o	o.c	c.bc.c	*
	Birr Castle ...	1012.6	46	NW	1	c	1017.6	*	37	+6	S	1	–	o	*	–	47	30	c	c	o	3.2
	Donaghadee ...	1011.5	43	SW	3	bcv	1014.5	+1	37	+1	SW	2	–	cm	1	Trace	46	35	bcmp	bcm	bcm.cm	*
	Liverpool (Bidston)	1011.9	40	NNW	1	b	1016.1	+2	35	+2	WNW	1	–	b	1	–	42	33	bm	bcm	bc	6.5
	Holyhead ...	1012.1	44	NNE	3	bng	1016.0	+2	41	+8	SW	3	W	cm	2	–	46	32	bc.c.b	bc.bng	bc.bc.o	10.8
	Pembroke (St. Ann's)	1012.2	39	NNE	2	bc	1018.0	+3	36	+3	E	1	–	bmc	1	–	46	30	bcmc	cg	bcm	9.2
	Scilly (St. Mary's)	1010.7	42	NNE	3	cm	1016.7	+3	39	+1	E	1	–	bm	3	–	45	38	cm	cm	bc.bm	6.3
	Falmouth ...	1010.5	39	SSE	2	bc	1017.5	+3	35	+2	NE	1	–	bcg	2	–	43	31	bc	bcg, bc	bc.bgc	4.3
	Jersey (St. Aubin)	1008.7	39	NE	4	og	1015.4	*	40	+2	NE	3	NE	bc	3	Trace	42	37	ogsps	ogsps	b.bc	0.5
	Portland Bill ...	1009.8	41	NE	2	bc	1016.8	+4	36	+3	NE	2	–	b	3	–	42	32	c	c.bc	c.bc.b	*
	Dungeness ...	1008.6	39	NE	5	c	1014.2	+4	34	−2	N	2	N	bc	2	–	44	31	o.c.bc	bcn.c	bc.bcg	*
	Dover	1010.1	37	NNE	5	bc	1015.6	+4	40	+3	N	3	NE	bc	3	–	42	34	c.bc	bc	bc.c.bc	11.1
	Wick	1010.5	34	NNW	3	o	1010.4	−3	35	+1	SSE	2	–	r	3	6	38	31	oms	mprs	oms.or	*
	Nairn	1010.7	40	NW	2	cg	1010.3	*	38	+4	WNW	2	–	bc	2	Trace	44	32	c.bc	c	cg	1.3
	Aberdeen ...	1010.4	37	WNW	3	o	1012.2	0	37	+2	SSW	3	W	o	2	–	45	34	o	c.o	o.bc.o	2.0
	Leith	1010.3	42	SE	1	c	1013.4	+2	36	−1	WSW	2	W	cg	*	–	44	34	bc.c	c	c	*
	Tynemouth ...	1011.0	39	NE	2	bc	1013.1	+2	35	−2	W	2	W	cm	3	–	46	31	bc	bc	bcm	*
	Spurn Head ...	1012.9	35	NE	4	bc	1015.4	+2	36	+2	WNW	3	–	o	4	–	44	32	bc	bcv	bc	6.3
	Yarmouth ...	1010.8	41	NNE	2	bcv	1016.1	+3	36	+2	NW	2	N	bc	1	–	42	33	bcv	bcv	bc	6.7
	Clacton-on-Sea	1009.8	39	ENE	3	bcv	1015.8	+4	35	+2	NNW	3	NE	bc	1	–	41	32	bcv	bcv	bcx	4.8
	Nottingham ...	1011.4	39	ENE	3	b	1016.5	*	27	+3	W	1	–	bmx	*	–	45	24	bm.c	c.b	bm	4.2
	Bath	1010.3	48	E	3	b	1017.6	*	28	−2	W	1	–	b	*	–	47	26	o.c.bc.b	b	b.bcm	4.4
	London (Kew Obsy.)	1009.7	42	NE	3	bm	1016.6	+4	34	+4	N	2	–	bmx	*	–	44	30	bmx.bc	bc.bm	bm.bc.cm	8.0
Iceland, Faeröe, &c.	Spitsbergen ...	1002.1	−2	NW	4	o	1002.1	0	−9	+14	S	1	*	o	*	*	−2	−23				
	Isafjord... ...												*		*	*	*	*				
	Reykjavik ...												*		*	*	*	*				
	Vestmanna ...												*			*	*	*				
	Seydisfjord ...												*		*	*	*	*				
	Thorshavn ...												*		*	*	*	*				
Northern Europe.	Vardö	996.7	21	W	4	bc	1000.7	0	23	−2	SW	3	–	b	2	*	25	19				
	Bodö	997.9	25	WSW	4	o	997.5	0	21	−4	E	4	–	c	2	?	27	18				
	Christiansund	1001.5	27	SW	4	c	1005.0	+2	27	−1	SW	3	SW	c	4	11	30	25				
	Skudesnaes ..	1006.3	30	NNW	2	c	1009.5	+1	30	−2	N	3	–	c	2	?	36	27				
	Færder (X'tania Fjord)																					
	The Scaw (Skagen)	1003.3	34	NW	3	b	1008.0	+3	32	−4	NW	2	–	b	3	–	41	28				
	Blaavands Huk																					
	Haparanda ...														*							
	Hernösand ...														*							
	Stockholm ...														*							
	Wisby														*							
	Karlstad														*							
	Petrograd (8 a.m. G.M.T.)														*							
France, &c.	The Helder ...	1009.9	39	NW	1	b	1014.7	+3	37	+5	NNW	1	–	b	1	–	41	32				
	Brussels	*	*	*	*	*									*							
	C. Gris Nez ...	1007.9	38	NE	6	bc	1013.7	+4	36	+4	NE	4	*	c	3	–	41	28				
	La Hève	1007.1	37	N	2	o	1014.6	*	36	+6	NE	2	*	c	2	–	43	34				
	Ushant							*					*									
	Brest (St. Mathieu)	1010.9	38	NE	3	o	1016.8	+3	39		NE	2	*	c	2	–	45	33				
	Rochefort (Ile d'Aix)	1007.5	39	N	3	o	1013.5	+4	33	−4	ENE	3	*	b	*	–	43	32				
	Biarritz	1008.3	46	WNW	2	r	1010.1	+1	41	−5	ESE	1	*	o	2	14	50	39				
	Paris	1004.6	32	N	3	s	1012.2	+6	32	0	NNE	2	–	o	*	7	41	32				
	Belfort							*					*		*							
	Lyons	1005.3	46	SW	1	b	1013.6	*	35		NNW	1	*	o	*	1	53	34				
	Nice	1001.3	51	W	5	b	1009.9	+3	47	*	–	0	*	o	3	–	57	43				
	Perpignan ..	1008.3	50	–	0	o	1009.3	+5	46	−2	NW	2	NE	o	*	–	55	41				
	Sanguinaire ...	1003.9	54	W	4	c	1009.2	*	50	−4	E	4	*	m	4	–	61	46				
Southern Europe.	Corunna (7 a.m.)	1005.3	43	ENE	4	r	1012.2	+4	45	+4	NE	5	–	o	2	4	48	41				
	Madrid (8 a.m.)	1007.9	46	SW	3	o	1011.5	+3	46		SW	1	–	c	*	1	50	41				
	Lisbon (9 a.m.)																					
	Gibraltar							*					*									
	Rome														*							
	Azores (Horta, 8 a.m.)	1017.7	*	WSW	4	bc							*									
	Madeira (Funchal)																					

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

FORECAST DISTRICTS.

STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay

0 a, b; 1; 2 a, b; 3; 4 a, b — Light to moderate breezes, mainly Westerly; fine to cloudy, local rain or sleet showers; some increase of temperature.

5 — Light North-Easterly to Northerly and variable breezes; fair to fine, local mist; temperature rising, but still cold.

6 a, b; 7 a, b — Same as Nos. 0 to 4.

8 a, b — Same as No. 5.

9 a, b — Same as Nos. 0 to 4.

10 a, b — Calms and light variable breezes; fair to dull, local showers; less cold.

11 — Light to fresh North-easterly breeze; moderate sea and swell; fine to cloudy; cold.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

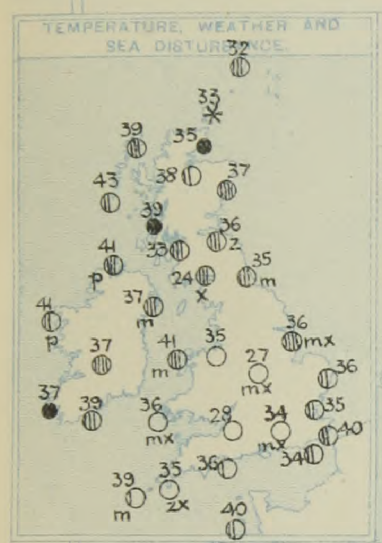
FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. W. N. SHAW, Director

SYNOPTIC CHART FOR 7 a.m. WEDNESDAY, 31st MARCH, 1915.

GENERAL INFERENCE.

The changes in progress favour a more Westerly type of conditions over the greater part of the country.



DAILY WEATHER REPORT.

Wednesday, 31st March 1915

REPORTS FOR YESTERDAY.

30th March 1915

STATIONS.	Evening Observations: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather.	Observations at 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
Lisbon	1008.6	57	SW	4	c	1008.8	+2	56	+3	SSW	2	–	0	6	1	59	52
Rome	999.7	55	S	1	0	999.5	0	50	-5	E	1	–	b	*	7	64	50

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	46	27	bc	bc	6.9
	Banff	1	42	36	o.c.bc	bc.o	2.9
	St. Andrews	–	46	30	*	*	7.0
Eng. N.E.	Harrogate	–	43	25	o.c.bc.b	c.bc.b	5.4
	Scarborough	*					
	Skegness	–	44	27	bc.o	o.bc	7.2
Eng. N.W.	Morecambe	–	44	24	b	b	9.4
	Blackpool	–	46	24	bm.b	b	10.9
	Southport	–	44	25	b.bc.b	b	10.0
Midlands	Buxton	–	42	21	bc.c	bc	5.3
	Leamington Spa	–	47	24	o.bc	bc	6.8
	Malvern	–	46	26	b	b	9.0
	Ross-on-Wye	–	46	23	bmc	bz	8.4
Wales	Rhyl	–	43	26	b	b	7.1
	Colwyn Bay	–	44	27	b.bc	bc.o	7.8
	Llandudno	–	47	35	b	b	8.1
	Aberystwyth	–	43	27	c.b	c.bc	9.5
	Tenby	–	48	24	b	bc	8.0
	Swansea	–	47	30	z.b	bc	6.2
England E.	Cromer	–	41	30	b	bc.c.b	9.3
	Lowestoft	–	41	31	bc	bc.c	8.0
	Felixstowe	–	44	29	bc	bc	11.3
	Walton-on-Naze	–	40	29	b	b.bc.b	10.9
	Southend-on-Sea	–	43	30	bc.b	bv	9.6

	STATIONS.	Rainfall.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England S.E.	Tunbridge Wells	–	44	28	o	bc	5.6
	Margate	–	40	32	bc	b	6.7
	Ramsgate	–	40	32	c.bc	bc	6.5
	Folkestone	–	42	32	bc	c.bc	8.1
	Hastings	–	42	29	o.c	c.bc	6.8
	Bexhill-on-Sea	–	42	30	c	c	4.7
	Eastbourne	–	43	29	o.c	o.bc	6.8
	Seaford	–	44	29	c	c	1.9
	Brighton	–	45	30	c.bc.c	c.bc.c	2.6
	Worthing	*	44	29	bc	bc	3.0
	Littlehampton	–	45	*	c.bc	bc.b	3.2
	Bognor	–	44	29	o	c.b	4.2
	Southsea	–	44	29	o.c	bc	3.7
	Bournemouth	–	44	24	bc	bc.b	6.3
England S.W.	Weymouth	–	44	27	bc	bcz	8.2
	Torquay	–	42	32	bc	bc.b	7.7
	Paignton	–	42	31	bc	bc	6.3
	Falmouth	–	43	32	bc	bcq.bc	4.3
	Penzance	–	44	33	bc	bc	7.2
	Newquay	–	42	29	bcz	bz	8.5
	Ilfracombe	–	45	32	z.b	bz	8.5
	Weston-super-Mare	–	49	28	bc.b	b	8.5

LONDON OBSERVATIONS.

STATIONS.	Humidity 3 p.m. Yesterday. %	Humidity 9 a.m. To-day. %	Sunshine for Yesterday. Hr.	Temperature in Screen Max. (24 hours ended 9 a.m. To-day) °F.	Temperature in Screen Min. °F.	Min. on Grass °F.	Rainfall. mm.§	Weather Forenoon.	Weather Afternoon.	Weather Night.
Greenwich (Royal Obsy.)	52	66	?	46	30	20	–	bc	bc	o.bmc
City (Bunhill Row)	*	*	8.4	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	50	62	7.6	45	34	26	–	bc	bcm	bmc
Camden Sq. (Brit. Rainfall)	55	68	8.2	48	31	24	–	b	b.bc	*
Hampstead (Reservoir)	*	63	9.4	43	29	17	–	bc	bc	bmc
Richmond Park	*	*	6.6							
Kew. (See front page.)										
(Greenwich and Camden Square air temperatures are in Glaisher screens.)										
S. Kensington (Roof of M.O.)	49	60	7.6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1133 Joules	24.7 Milliwatts.	58 Milliwatts.

Additional Observations for Yesterday.

STATIONS.	Rainfall. mm§	Temperature in Screen Max. °F.	Temperature in Screen Min. °F.	Night Min. on Grass. °F.	Weather Night.	Weather Forenoon.	Weather Afternoon.	Sunshine for Yesterday. Hr.
Dublin to 4 p.m.	–	47	32	29	bmc.c	bm.c	b	*
Darwen to 9 p.m.	–	43	26	22	bc	bc	bc	5.8
Manchester ,,	–	42	26	*	ofc	f.bc.o	o	1.1
Birmingham ,,	–	45	26	13	b	bc	c	3.2
Oxford to 9 p.m.	*	46	25	16	b	b	b.cm	*
Teignmouth to 9 p.m.	–	44	32	29	c.bc	b.bc	bc	5.9
Plymouth ,,								
S. Kensington (Museum Grounds to 6 p.m.)	0.1	46	30	22	b.bc.c	c.bc	bz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

31st Mar.; 1st April 1915.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.32 5.30	11.57 11.59	6.22 6.24
Greenwich	5.40 5.38	12.4 12.4	6.28 6.30
Wick	5.45 5.42	12.16 12.16	6.48 6.50
Valencia	6.21 6.19	12.45 12.45	7.9 7.11

NOTES ON YESTERDAY'S WEATHER.

Temperature was slightly higher than on previous days. Showers of rain or snow occurred in the north and west. Generally the sunshine records were good, ranging up to more than 11 hours at Dover, Felixstowe and Clacton.

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

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§ 1 mm. is approximately 4 hundredths of an inch.

‡ The barometric change is expressed in half-millibars.

ADDITIONS AND CORRECTIONS

TO THE

DAILY WEATHER REPORT.

MARCH, 1915.

Corrections and additions for the month of March are given on this sheet for stations in the British Isles, Scandinavia, Holland, France and "Southern Europe." The data for stations in Iceland will be published separately in due course. Completed maps will eventually be published in the Weekly Weather Report of the Meteorological Office.

Reports which arrived within 24 hours of the date to which they referred were inserted on Page 4 of the Daily Weather Report of the following day.

ADDITIONS AND CORRECTIONS TO THE

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.						°F.	°F.							°F.	°F.				Hours.
1	Helder	1002.1	37	W	5	c	.	.	.	.	.	.	.	.	.	.	.	.				
	Biarritz	1024.8	49	W	2	o	1021.5	*	50	+1	WSW	3	*	o	4	–	50	48	.	.	.	.
2	Petrograd	1035.1	30	SE	2	s	1017.1	*	14	−7	E	3	–	o	*	–	30	14	.	.	.	.
	Belfort	1009.2	32	WSW	5	bc	1014.9	*	31	−5	WSW	6	–	3	*	2	37	30	.	.	.	.
	Madrid	1016.4	61	–	o	c	1018.9	+2	45	+2	NNE	1	–	b	*	–	61	41	.	.	.	.
3	Madrid	1014.4	64	E	1	b	1020.6	+2	48	+1	NE	1	–	c	*	–	64	43	.	.	.	.
4	Petrograd	1022.1	10	ENE	3	b	1021.3	–	1	−11	NE	3	–	b	*	–	18	1	.	.	.	.
	Ushant	1014.9	50	SW	5	f	1022.1	*	50	o	NW	3	*	c	3	6	52	43	.	.	.	.
	Belfort	1019.3	43	–	o	c	1022.9	*	32	o	–	o	*	c	*	–	50	31	.	.	.	.
	Lyons	1021.6	42	–	o	b	1022.7	*	32	o	–	o	*	bc	*	–	48	30	.	.	.	.
	Madrid	1016.8	64	–	o	bc	1024.2	+3	48	+2	NE	1	–	bc	*	–	64	43	.	.	.	.
	Lisbon	1020.8	55	WSW	3	o	1024.2	+3	54	o	NNE	2	–	o	2	–	63	54	.	.	.	.
5	Lyons	1024.0	48	N	1	c	1029.1	*	43	+11	–	o	*	o	*	–	55	32	.	.	.	.
	Madrid	1020.0	64	ENE	2	o	1030.1	+3	45	−3	NE	1	–	b	*	–	66	39	.	.	.	.
	Lisbon	1024.8	54	NNE	4	bc	1026.7	+2	51	−3	NE	4	–	m	5	–	58	49	.	.	.	.
6	Ushant	1027.4	50	W	4	m	1028.7	*	48	o	NW	4	–	o	3	–	52	45	.	.	.	.
	Belfort	1026.0	47	WSW	6	c	1023.1	*	43	+5	WSW	6	*	r	*	–	50	38	.	.	.	.
	Madrid	1027.1	63	E	1	b	1030.4	+2	43	−2	NE	1	–	b	*	–	64	41	.	.	.	.
	Rome	1021.5	50	W	1	b	1017.1	–	46	+3	N	1	–	o	*	–	?	?	.	.	.	.
7	Petrograd	1019.5	10	E	2	bc	1021.1	*	1	−8	ENE	1	–	b	*	–	16	1	.	.	.	.
	Belfort	1017.6	43	WSW	6	r	1018.4	*	37	−6	W	4	–	o	*	–	47	36	.	.	.	.
8	C. Gris Nez	1011.5	41	N	6	bc	1014.3	–	36	−7	NNE	7	*	c	6	3	46	36	.	.	.	.
	Ushant	1022.7	48	N	5	o	1021.2	*	46	−2	NE	5	*	o	3	–	52	43	.	.	.	.
	Biarritz	1022.0	50	WNW	3	o	1015.4	–	46	−4	NNE	3	*	o	3	5	50	45	.	.	.	.
	Belfort	1009.0	36	WSW	3	f	1007.8	*	31	−6	W	4	*	o	*	2	43	30	.	.	.	.
	Lyons	1010.6	41	NW	4	r	1007.4	*	35	−10	NW	3	*	o	*	6	48	32	.	.	.	.
	Nice	998.7	52	W	2	b	996.6	*	46	−8	E	1	*	c	5	–	63	45	.	.	.	.
	Madrid	1015.0	68	W	1	b	1014.1	o	45	o	NNE	1	–	b	*	–	68	39	.	.	.	.
	Rome	999.3	52	SW	2	bc	995.7	−1	48	+2	N	2	–	o	*	–	61	46	.	.	.	.
9	Petrograd	1022.7	0	NW	1	b	1023.3	–	−11	−9	–	o	–	c	*	–	7	−13	.	.	.	.
10	Belfort	1023.9	22	ENE	6	c	1025.1	*	19	−4	ENE	5	*	m	*	–	30	18	.	.	.	.
	Madrid	1019.3	42	N	4	b	1023.8	+2	37	+1	N	2	–	bc	*	–	43	30	.	.	.	.
	Horta	–	–	–	–	–	1027.1	o	55	+2	E	2	–	bc	3	–	63	52	.	.	.	.
11	Petrograd	1021.5	16	SW	1	b	1016.0	–	9	−3	S	1	–	o	*	–	21	7	.	.	.	.
	Rome	1005.1	39	N	2	o	1007.7		36	−3	N	2	–	o	*	–	48	36	.	.	.	.
	Horta	1025.5	57	S	5	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12	Ushant	1014.3	49	NE	3	r	1019.7	*	46	−2	ESE	2	–	o	3	11	50	41	.	.	.	.
	Belfort	1019.0	31	–	o	f	1021.5	*	30	+3	–	o	–	m	*	–	32	30	.	.	.	.
	Lyons	1019.4	33	WNW	1	o	1020.8	*	33	+2	–	o	–	o	*	–	35	31	.	.	.	.
	Madrid	1017.2	50	–	o	bc	1013.3	+1	39	+5	ENE	1	–	c	*	–	50	34	.	.	.	.
	Rome	1013.5	41	NE	2	r	1017.5	*	34	−2	NE	1	–	bc	*	–	48	32	.	.	.	.
13	Christiansund	1004.0	41	SW	4	r	1003.3	*	43	+4	SW	4	–	r	4	17	?	36	.	.	.	.
	Belfort	1022.6	39	ENE	2	m	1025.0	*	32	+2	WSW	4	*	m	*	–	44	30	.	.	.	.
	Rome	1021.7	43	SW	1	bc	1022.9	+1	37	+3	NE	1	–	b	*	–	50	34	.	.	.	.
14	Petrograd	1001.2	27	SW	1	o	999.3	*	28	−6	W	1	–	s	*	–	34	21	.	.	.	.
	Belfort	1023.9	41	–	o	m	1021.3	*	39	+7	W	4	–	r	*	?	43	32	.	.	.	.
	Madrid	1016.3	50	SE	4	c	1019.8	+1	46	+4	E	1	–	o	*	–	53	41	.	.	.	.
	Horta	–	–	–	–	–	1007.4	−4	57	o	S	4	–	o	4	–	61	54	.	.	.	.
15	Belfort	1021.9	41	WSW	3	o	1023.1	*	39	o	ENE	2	–	f	*	1	41	36	.	.	.	.
	Madrid	1016.8	54	–	o	o	1017.5	o	46	+1	–	o	–	o	*	–	54	43	.	.	.	.
16	Petrograd	992.7	23	SW	1	o	978.1	–	25	−9	S	2	–	o	*	2	34	18	.	.	.	.
	Ushant	1023.7	48	ENE	3	b	1022.3	*	46	+3	E	2	–	r	3	–	50	39	.	.	.	.
	Belfort	1022.9	43	ENE	4	m	1023.1	*	37	−2	–	o	–	o	*	–	48	36	.	.	.	.
	Lyons	1023.3	45	–	o	b	1022.4	*	41	−1	–	o	–	o	*	–	50	40	.	.	.	.
	Madrid	1016.0	50	WSW	1	o	1019.4	+1	43	−3	E	3	–	o	*	2	50	41	.	.	.	.
	Rome	1018.9	52	SW	1	b	1018.9	o	45	+2	NW	1	–	b	*	–	61	41	.	.	.	.
17	Petrograd	975.9	21	NW	2	s	982.0	*	10	−15	NW	2	–	s	*	1	27	10	.	.	.	.
18	Petrograd	990.3	14	W	1	o	994.1	–	10	o	WSW	1	–	s	*	–	18	9	.	.	.	.
	Ushant	1007.9	46	ENE	3	m	1003.8	*	46	+3	ENE	2	*	o	3	–	46	39	.	.	.	.
	Belfort	1008.7	49	–	o	m	1005.0	*	45	+4	WSW	3	–	c	*	–	60	37	.	.	.	.
	Lyons	1008.2	54	–	o	b	1006.3	*	46	+7	S	2	*	c	*	–	62	39	.	.	.	.
	Madrid	1009.6	48	SE	2	o	1004.6	−3	45	o	NE	1	–	o	*	3	50	45	.	.	.	.
20	Deerness	1002.0	32	N	7	oprs	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ushant	1011.9	43	NE	5	o	1018.7	*	43	o	NE	6	*	o	4	–	48	39	.	.	.	.
	Belfort	1002.6	36	WSW	5	c	1013.7	*	28	−17	E	3	*	bc	*	–	52	27	.	.	.	.

REPORTS FOR MARCH, 1915.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
20	Nice	996.2	46	–	0	r	996.8	–	47	0	–	0	–	b	2	1	54	45	.	.	.	.
21	Belfort	1020.0	34	ENE	2	b	1026.0	*	37	+9	E	3	*	b	*	–	39	27	.	.	.	.
	Madrid	1012.6	55	WSW	1	c	1013.5	+2	50	+5	SSE	1	–	0	*	2	59	45	.	.	.	.
22	Ushant	1014.6	48	SE	4	b	1007.7	*	46	+5	SE	4	*	0	3	–	50	39	.	.	.	.
	Rochefort	1015.6	51	E	5	bc	1003.3	–	48	+13	SE	6	*	c	*	–	57	43	.	.	.	.
	Belfort	1025.5	43	ENE	3	b	1024.7	*	39	+2	ENE	5	*	s	*	–	45	23	.	.	.	.
	Lyons	1023.3	46	–	0	b	1022.6	*	42	+12	SE	1	*	b	*	–	49	28	.	.	.	.
	Madrid	1014.9	52	SSE	2	r	1018.0	+6	48	-2	SSE	1	–	c	*	4	55	46	.	.	.	.
	Lisbon	1007.5	59	S	5	o	1011.8	+4	60	+1	S	5	–	o	7	5	63	56	.	.	.	.
24	Petrograd	1021.6	16	W	1	b	1024.2	–	10	+1	SW	1	–	m	*	1	23	7	.	.	.	.
	Belfort	1019.7	57	WSW	2	c	1021.9	*	47	+2	–	0	*	c	*	–	65	45	.	.	.	.
	Lyons	1021.5	54	S	3	bc	1022.6	*	47	-2	–	0	*	o	*	1	63	47	.	.	.	.
	Nice	1023.7	51	–	0	o	1021.7	–	54	+8	–	0	*	o	2	–	54	43	.	.	.	.
	Madrid	1019.8	59	WSW	2	b	1024.4	+1	46	0	–	0	–	b	*	–	61	41	.	.	.	.
26	Petrograd	999.7	32	W	2	o	1005.2	–	16	-8	NW	1	–	o	*	3	36	16	.	.	.	.
	Ushant	1012.8	48	ENE	4	o	1009.0	*	43	-7	ESE	4	*	o	5	–	52	39	.	.	.	.
	Belfort	1012.8	47	WSW	6	o	1014.0	*	34	-13	ENE	4	*	c	*	2	52	34	.	.	.	.
27	Belfort	1004.3	39	ENE	5	c	1002.1	*	30	-4	ENE	4	*	o	*	–	47	27	.	.	.	.
	Nice	1001.9	49	–	0	f	999.0	–	48	+5	–	0	–	o	2	1	61	43	.	.	.	.
28	Petrograd	1004.7	21	NE	2	o	995.4	–	12	-4	NE	2	–	s	*	–	25	10	.	.	.	.
	Belfort	1000.6	32	ENE	4	s	999.3	*	30	0	ENE	5	*	o	*	6	39	27	.	.	.	.
30	Petrograd	1005.6	18	–	0	o	1009.9	–	19	+10	SSW	1	*	s	*	–	25	7	.	.	.	.
	Ushant	1007.0	40	E	6	o	1008.6	–	37	-2	NE	3	*	s	3	–	45	28	.	.	.	.
	Belfort	1005.1	33	ENE	4	o	1004.0	*	30	+2	ENE	6	*	o	4	–	35	28	.	.	.	.
	Lyons	1001.5	37	NNW	3	o	1002.4	*	37	+2	–	0	*	o	0	–	42	35	.	.	.	.
	Madrid	1001.5	52	WSW	3	m	1011.1	+4	43	0	SW	1	–	bc	*	3	54	39	.	.	.	.
31	Petrograd	1012.4	23	S	2	c	1008.6	–	10	-9	SSE	2	–	b	*	–	30	9	.	.	.	.
	Ushant	1011.3	37	NE	5	o	1016.3	*	43	+6	NE	3	*	c	3	–	41	36	.	.	.	.
	Belfort	1005.5	32	–	0	s	1013.0	*	31	+1	WSW	1	*	o	5	–	37	30	.	.	.	.

Corrections.

2	Deerness	.	.	.	.	.	.	.	.	.	w	.	.	.	.	.	.	.	.	.	.	.	.
	Castlebay	.	.	.	.	.	1007.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31	.	.	.	.	.
3	Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31	.	.	.	.	.
	Blacksod Point	1001.1	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leith	1009.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	odp.me	.	.	.	.
	Blacksod Point	.	.	.	.	.	1008.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	Castlebay	.	.	.	.	.	.	.	48	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	org	.	.	.	.
	Roche's Point	.	.	.	.	.	.	.	.	.	sw	.	.	.	.	.	.	.	.	.	.	.	.
	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1	.	.	.	.	.	.	.
6	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	53	.	.	.	.	.	.
	Dover	.	.	WSW	5	bc	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7	Spurn Head	.	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	37	.	.	.	.	.
	Jersey	.	.	.	.	.	.	.	.	.	.	.	.	o	.	.	.	.	.	.	.	.	.
8	Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	.	.	.	.	.
	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35	.	.	.	.	.
9	Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	b.bc	.	.	.	.
10	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	fe	.	.	.	.	.	.	.	.	.
	Dover	.	.	.	.	.	.	.	37	+4	.	.	.	.	.	.	.	.	.	.	.	.	.
	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5
11	Eskdalemuir	1011.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Blacksod Point	.	.	.	.	fe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0
12	Roche's Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	cpg	.	.	.	.
14	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	No Rain	.	.	.	.	.	.	.
	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.3	.	.	.	.	.	.	.
15	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9.2
	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	52	.	.	.	.	.	.
	Spitsbergen	986.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16	Valencia	.	.	.	.	.	1024.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

—CORRECTIONS.

Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.						°F.	°F.							°F.	°F.				Hours.
16	Leith	.	.	.	.	.	.	−1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nottingham	.	.	.	.	.	1021.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	39	.	.	.	.	.
21	Deerness	.	.	.	.	.	.	.	37	.	.	.	.	.	.	.	.	.	.	.	.	.
	Blacksod Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	39	.	.	.	.
	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	44	.	.	.	.	.
	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5.4
22	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	c.bc.ox	.
	Roche's Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.
	Scilly	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	?43	.	.	.	.
	Dover	.	.	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10.0
23	Deerness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	.	.	.	6.5
	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	o.c.bc	.
	Roche's Point	.	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.	.
	Blacksod Point	.	.	.	.	fe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Aberdeen	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.
25	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.	.	.
	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.4	.	.	.	.	.	.
26	Castlebay	.	.	.	.	.	.	.	.	.	.	5	.	.	5	.	.	.	.	.	.	.
	Nairn	.	.	NE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27	Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.
	Holyhead	.	.	.	.	.	1011.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28	Glasgow	.	.	.	.	.	.	.	.	.	.	.	NE	.	.	.	.	.	.	.	.	.
	Nairn	.	.	.	.	cu	1013.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11.1
29	Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	bc.o	.
	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30	Portland Bill	.	.	.	.	.	1009.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8.8
	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Clacton-on-Sea	.	.	.	.	.	1009.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31	Deerness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31	.	.	.	.
	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	cf c	.	.	.

LONDON OBSERVATIONS.

Date.	Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
		24 Hours ended 9 a.m. To-Day.									
		%	%	Hr.	°F.	°F.	°F.	mm.§			
3	Richmond Park	.	.	6.7	.	.	.	.	.	.	.
9	Westminster	.	.	3.4	.	.	.	.	.	.	.
11	Richmond Park	.	.	0.2	.	.	.	.	.	.	.
12	Richmond Park	.	.	0.0	.	.	.	.	.	.	.
13	Richmond Park	.	.	0.0	.	.	.	.	.	.	.
15	Greenwich (Royal Obsy)	.	.	.	58	.	.	.	.	.	.
-	Westminster	.	.	4.2	.	.	.	.	.	.	.
18	Richmond Park	.	.	0.0	.	.	.	.	.	.	.
21	Greenwich (Royal Obsy)	.	.	3.2	.	.	.	.	.	.	.
25	Westminster	.	.	.	.	42	.	.	.	.	.
31	Greenwich (Royal Obsy)	.	.	8.9	.	.	.	.	.	.	.

GALES

Duration and Extreme Force in British Islands.

ADDITIONS.

21st. Dover
20th 8am-1pm. W8
11am gust W 30mps

CORRECTIONS.

1st. Malin Head
28th 7am – 1st 7am.

2nd. Delete Spurn Head entry.

19th Eskdalemuir
18th 11am and 3pm NNE 8